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ASBESTOS ABATEMENT AND DEMOLITION AND EMERGENCY REMOVAL AND DISPOSAL OF POLE MOUNTED TRANSFORMERS AND CONTAMINATED SOIL

USCG OLD BASE ST. LOUIS, MO

May 2003

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MWH
MONTGOMERY WATSON HARZA

**ASBESTOS ABATEMENT AND DEMOLITION
AND
EMERGENCY REMOVAL AND DISPOSAL OF PCB POLE
MOUNTED TRANSFORMERS AND CONTAMINATED SOIL
UNITED STATES COAST GUARD
OLD BASE
ST. LOUIS, MISSOURI**

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SEP 04 2007

SUPERFUND DIVISION

Contract No. DTCG83-02-D-3CL026

Task Order No. 002 and 017

Prepared for:

**United States Coast Guard
Civil Engineering Unit Miami
Miami, FL**

Prepared by:

**MWH Americas, Inc.
1100 Johnson Ferry Road, Suite 460
Atlanta, Georgia 30342**

May 2003

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Figure 2-1 Site Layout as Depicted on USGS Quadrangles

Figure 2-2 Facility Layout Map

LIST OF ACRONYMS

ACM	Asbestos Containing Material
AHERA	Asbestos Hazardous Emergency Response Act
AST	Aboveground Storage Tank
CEU	Civil Engineering Unit
ISC	Integrated Support Command
MSL	Mean Sea Level
MWH	MWH Americas, Inc.
NAFA	Non-Appropriated Fund Activities
NIOSH	National Institute of Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PCM	Point Count Method
%	Percent
PEL	Permissible Exposure Level
PID	Photoionization Detector
PLM	Polarizing Light Microscopy
PPM	Parts Per Million
Sq. ft	Square Feet
TSCA	Toxic Substance Control Act
USCG	United States Coast Guard

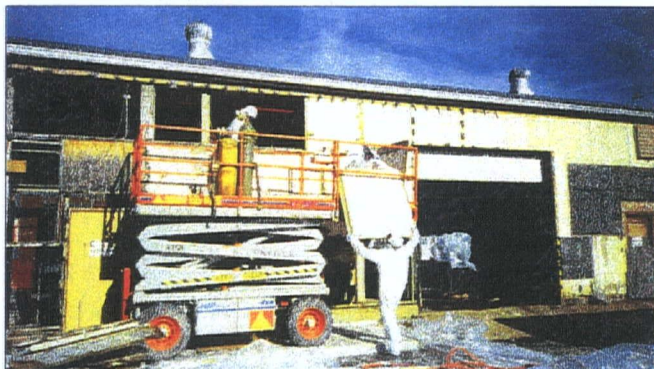
1.0 INTRODUCTION

MWH Americas, Inc. (MWH) was retained by the United States Coast Guard (USCG), Civil Engineering Unit (CEU) Miami to perform an Asbestos Abatement and Demolition Project at the USCG facility, Old Base, St. Louis, Missouri. The project was subsequently expanded due to suspected vandalism of the pad-mounted transformer and release of polychlorinated biphenyl (PCB) dielectric fluid occurred from a pad-mounted transformer adjacent to the industrial building requiring emergency removal and disposal. In addition, three pole-mounted transformers, reportedly owned by USCG, were sampled, removed from the poles, and transported to a disposal facility.

1.1 Project Overview

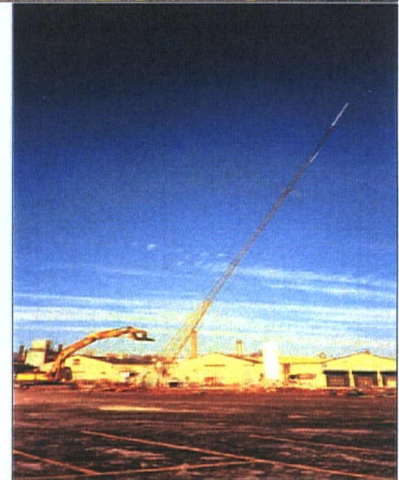
Project activities were performed from November 2002 to April 2003 and included the following tasks:

Asbestos Abatement - The asbestos abatement was performed between November 2002 and February 2003 and focused on three building at Old Base St. Louis, the Industrial Building, Service Building, and Non-Appropriated Fund Activities (NAFA) Building. The locations and quantity of asbestos containing material (ACM) were documented in a separate report prepared by MWH entitled *Asbestos Survey Report, USCG Old Base St. Louis, March 2002* (MWH, 2002).



Industrial Building Demolition – Demolition activities at the Industrial Building were performed between February 2003 and March 2003 and included the total removal of the Industrial Building, Guardhouse, and Communication Tower. The scope of work also included performance of the following activities:

- Plug pipe and other conduits that are exposed during demolition.
- Remove and properly dispose of lighting ballast and bulbs in accordance with all applicable state and federal requirements.
- Remove all interior walls.
- Remove all foundation walls and footings to 2 feet below grade and removal of the concrete slab on grade.
- Removal and disposal of the facility pad-mounted transformer and liquid.
- Removal and disposal of two approximately 200 gallon above ground storage tanks (ASTs) located at the southeast corner of the Industrial Building and one approximately 50 gallon AST.
- Remove and dispose of the AST concrete secondary containment.
- Backfill and compact excavation area of former building and containment area footprints.

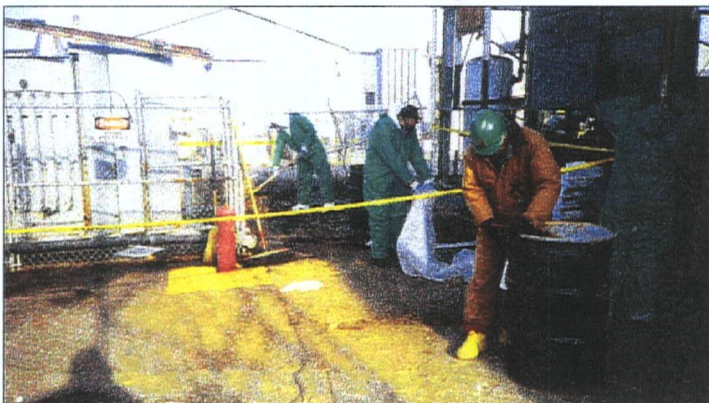
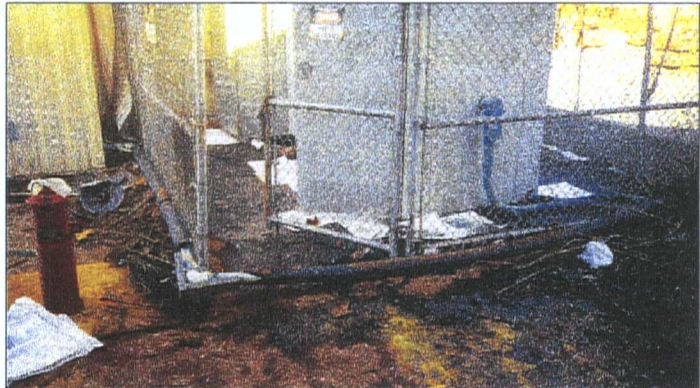


- Install a new fence along the property line vacated by the Industrial Building.

Pole Mounted Transformer Removal and Disposal – Three (3) pole mounted transformers, located at the southwest corner of the facility were noted by the City of St. Louis Power Authority to contain PCBs. It was later determined that these transformers were the property of the USCG. This task included the analytical testing of the dielectric fluid for PCB content, removal, and disposal.



Emergency Removal and Disposal of PCB Contaminated Soils – Vandalism at Old Base St. Louis occurred during execution of the demolition activities. The initial discovery occurred on December 10, 2002. As a result, the contents of the pad-mounted transformer (known to be PCB containing) were released to the environment. Emergency response actions were necessitated to contain the release



and included excavating transporting and disposal of contaminated soil, concrete, and asphalt that surround the pad-mounted transformer.

1.2 Report Layout

The information from the activities identified above are detailed in the following sections which have been broken out as follows:

Section 2 – Facility Location and Background

Section 3 – Asbestos Abatement

Section 4 – Industrial Building Demolition

Section 5 Emergency Response and Pole Mounted Transformer Removal

Section 6 – References

2.0 FACILITY LOCATION AND BACKGROUND

2.1 Site Location

The USCG Old Base St. Louis, Missouri is located at Mile 173.6 on the West Bank of the Upper Mississippi River in an urbanized, predominately industrial and commercial area south of Downtown St. Louis. Figure 2-1 shows the location of the base in relation to the surrounding area as depicted on USGS Quadrangle Map. The facility comprises an area of approximately 4.43 acres, measuring 345 feet along the western boundary, 600 feet on the southern boundary, and 457 feet along the northern side. The eastern boundary, measuring 372 feet long, parallels the Mississippi River. The riverbank, at 418 feet above mean sea level (MSL), is rip-rapped (EDP, 1991). The facility is bounded on the north by Alumax Foils Inc., on the west by railroad tracks and a Southern Metals Processing facility (scrap metal), and to the south by Brenntag, a specialty chemical manufacturer/distributor. Figure 2-2 depicts the layout of the USCG site and the surrounding property.

2.2 Land Usage

2.2.1 Current Land Usage

Old Base St. Louis is an inactive facility, aside from the occasional inspection, grounds maintenance, and nightly patrols by a security service. Utilities, including natural gas, water, and electricity have been taken out of service. The Base was closed in 1993 as a result of severe flooding of the Mississippi River. The buildings that currently exist at the site consist of the Industrial Building on the north side of the property, a Barracks facility to the east, and a Boat Storage shed, Exchange Club, and NAFA Building to the south (see Figure 2-2).

2.2.2 Future Land Use

The USCG is attempting to excess the Old Base St. Louis property. Future uses of the property are unknown at this time, but are likely to remain industrial.

2.3 Facilities

The Industrial Building was constructed in 1953. It is approximately 22,500 square feet (sq. ft) and was used to house the public works, electronics, shops, base office, shipping and receiving, clothing lockers, and storage space. Demolition of this building was completed in support of the excess property initiative of the USCG. The asbestos abatement and demolition project focused on the Industrial Building. The NAFA Building was constructed in 1943. It is approximately 2,500 sq. ft. In December 1963, the Barracks Building was destroyed by fire and was replaced in 1965 by a 3,600 sq. ft, 50-man barracks-subsistence building. The boat shed is a galvanized steel prefabricated building built in 1951. The Service Club was constructed in 1970 and is also a metal prefabricated building. In 1978, the base operations and security building was constructed.

During the summer of 1993, the Old Base St. Louis was flooded by the Mississippi River and was submerged under four feet of water. Due to the damage caused by the flood, a decision was made to close the Base in late 1993. The Base has been inactive since its closure.

3.0 ASBESTOS ABATEMENT

In February and March of 2002 MWH completed the asbestos survey of the Industrial Building, NAFA Building and Service Club Building. Included was the sampling and analysis of dielectric fluids associated with a pad-mounted transformer located north of the guardhouse and west of the industrial building. The results of the survey were document in a report entitled *Asbestos Survey Report, USCG Old Base St. Louis, March 2002* (MWH, 2002). MWH was then contracted to complete an asbestos abatement of the Industrial, NAFA, and Service Buildings. The services also required MWH to provide demolition of the Industrial Building, guardhouse, and antenna, and removal and proper disposal of a pad-mounted transformer and three (3) ASTs.

3.1 Asbestos Abatement

Prior to the abatement, an asbestos notification form was submitted to the city of St. Louis, Department of Public Safety along with the appropriate fee (Appendix A). Once the approvals were received from the City of St. Louis, MWH and subcontractors mobilized to the site. A kickoff meeting was held at Old Base St Louis on November 12, 2002. In attendance were representatives from the USCG Civil Engineering Unit Miami, USCG Integrated Support Command (ISC) St. Louis, MWH, Envirotech Inc., and Ecosafe Inc.

3.1.1 Interior ACM Abatement

In general, the project consisted of the



removal of approximately 800 linear feet of ACM pipe insulation and 20 sq. ft of duct wrap from the Industrial Building.

The glovebag/wrap & cut method was utilized for the removal of the pipe insulation and ductwork.

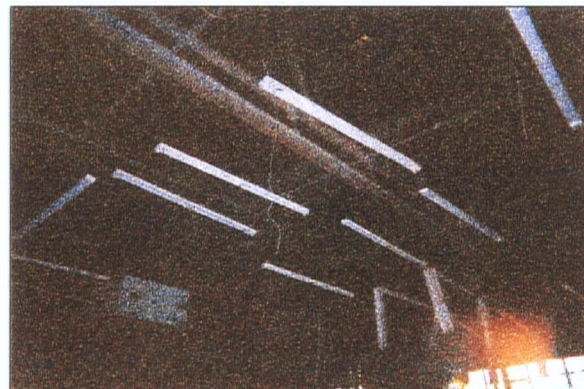


dismantling method.

Material from the interior ACM removal was placed into lined roll-off dumpsters staged on site. Once the dumpsters were filled, the liner was secured over the material for transportation to the landfill. The ACM wastes were transported to D&L Landfill located in Greenville, Illinois. Transportation and disposal manifests are provided Appendix B.

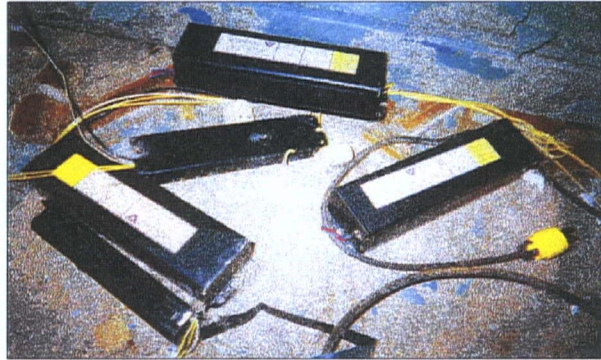


In addition, non-friable floor tile and VAT/mastic were removed from various locations within the Industrial Building (approximately 1,700 sq. ft) and Service Building (64 sq. ft). In addition, more than 10,000 sq. ft of interior transite wall-board was removed from the Industrial Building and 120 sq. ft NAFA Building utilizing the



3.1.1.1 Interior Bulbs and Ballast Removal

The Industrial Building contained a number of fluorescent lights throughout. In conjunction with the asbestos removal, bulbs and ballasts were removed, packaged and disposed of in accordance with applicable state and federal requirements.

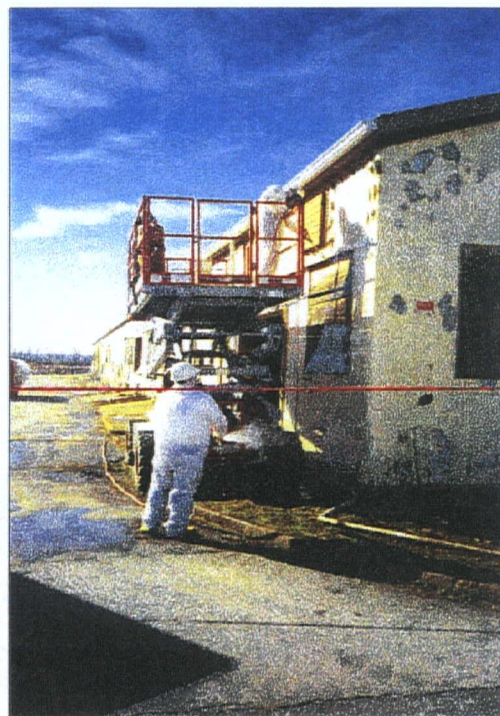


3.1.2 Exterior ACM Abatement

Exterior ACM abatement activities began on the exterior portion of the Industrial Building on November 20, 2002. The exterior portion of the Industrial Building was constructed of gray cement board panels bolted to a steel frame. More than 10,000 sq. ft of exterior siding was removed during the ACM abatement.



Initially, work began with the removal of transite panels from the east-side of the building and progressed in a clockwise fashion around the perimeter. The transite panels were removed by cutting the heads of the metal bolts that secured



the panels to the steel frame. A lift, equipped with an acetylene tank and torch, was used to burn the bolt heads off each panel. As sections of panels were cut, a plastic liner was placed along the removal area to capture falling debris as the panels were removed. The panels were subsequently wetted and removed in tact to the extent possible. The transite panels were then placed in lined roll-off dumpsters.

The northern side of the Industrial Building is immediately adjacent to property line which is shared with Alumax. The Alumax side is used extensively as a truck drive, loading/unloading, and parking area.



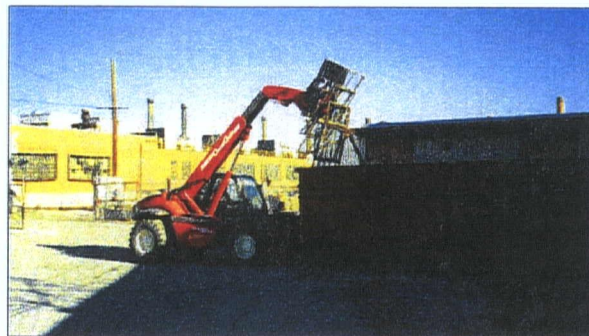
Removal of the transite panels from the north side of the Industrial Building was not feasible through the interior or from the USCG side alone. It was therefore necessary to establish an agreement with Alumax that would allow the asbestos abatement crew access onto thier property. Several meetings between MWH and Alumax were held to establish the terms of the access agreement. Attempts to establish an agreement between Alumax and USCG were unsuccessful. However, MWH was able to facilitate an agreement between Alumax and the asbestos abatement subcontractor, Envirotech. Since truck travel through this area is heavy throughout the work week, it was agreed upon to complete the abatement of the north side of the Industrial Building between Friday December 6, 2002 and Saturday December 7, 2002.



The effort was further complicated when it was noted that window caulking throughout the exterior of the Industrial Building was potentially asbestos containing. Samples were collected on December 9, 2002 by Ecosafe, the MWH Asbestos Hazardous

Emergency Response Act (AHERA) inspector. The sample collected tested positive for asbestos with 3 percent (%) chrysotile. The material was subsequently confirmed as positive by the polarizing light microscopy (PLM) point count method (PCM) with 3.25 % chrysotile (Appendix C). The City of St. Louis classifies this material as Category I non-friable. As such, it was disposed of as construction and demolition debris during building demolition. In order to insure that the window caulking is not rendered friable, the window panels were removed in tact and placed in a lined roll-off container.

Exterior ACM was placed in lined roll-off containers and transported to D&L Landfill in Greenville, Illinois. Copies of the transportation and disposal manifests are provided in Appendix B.



3.1.3 Third Party Monitoring

MWH subcontracted Ecosafe Incorporated to complete independent third party monitoring of the abatement project. Ecosafe performed perimeter



and barrier air monitoring throughout the course of the

abatement project. In addition, Ecosafe completed a negative exposure assessment of Envirotech personnel



from November 12 to November 19, 2002.

During the course of the asbestos abatement Ecosafe collected 52 samples from both inside and outside the work area. In general the results of the samples were all ten times below the Occupational Safety and Health Administration (OSHA) permissible exposure levels (PEL) of 0.1 fibers per cubic centimeter. Final Air clearance samples were analyzed utilizing the PCM National Institute of Occupational Safety and Health (NIOSH) 7400 method by an AIHERA rated analyst. Copies of the results are provided in Appendix D.

The asbestos abatement effort was completed December 7, 2002.

4.0 INDUSTRIAL BUILDING DEMOLITION

At the completion of the asbestos abatement effort project, MWH obtained from Ecosafe, a letter certifying the building asbestos free as required by the demolition permitting process. Additional documentation needed to obtain the demolition permit included certificates that the building was removed from service and a letter from the owner authorizing demolition. This information was provided to MWH by ISC St. Louis, compiled along with the appropriate permitting fee and sent to the City of St. Louis. Copies of the information are provided in Appendix E. The demolition permit was received from the City of St. Louis on January 15, 2003. MWH mobilized to the site February 3, 2003. Demolition activities included the removal of the window frames, above ground storage tank removal and disposal, building demolition, site restoration and fencing.

4.1.1 Window Removal

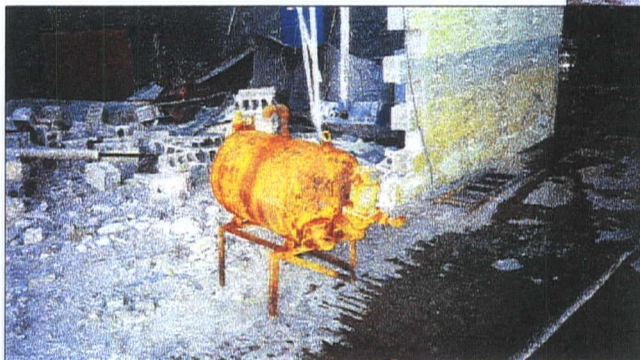
As discussed previously in the Section 3.1.2, because of the presence of asbestos in the window caulking at the Industrial Building, the window frames were removed in tact, to the extent practicable, to avoid rendering the material friable and placed in roll-off container for disposal as demolition debris. Windows were removed from the Industrial Building from February 3 to February 5, 2003.

4.1.2 Aboveground Storage Tank Removal

MWH will cleaned and properly disposed of three (3) ASTs on site. Two, approximately 200 gallon ASTs (one diesel fuel and one gasoline) were located within a concrete bermed containment area located between the Industrial Building and the former



Barracks Building (Figure 2-2). The third tank was located in a sump inside the boiler room of the Industrial Building and has an estimated capacity of approximately 50 gallons.

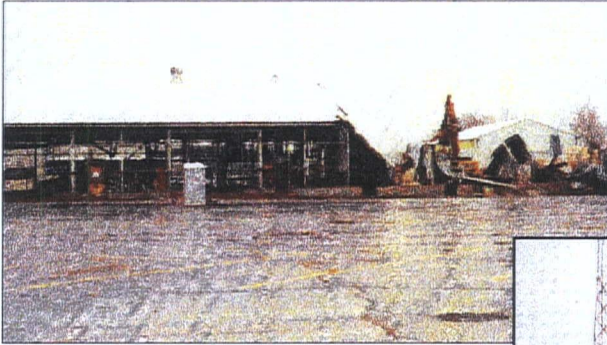


Approximately 50 gallons of residual fuel were encountered in the 200 gallon diesel fuel AST. The fuel was transferred into a 50-gallon DOT-approved drum and sent to a fuels blending/recycling facility. The remaining two tanks were empty. Each tank was subsequently cleaned, purged of all flammable vapors, and cut to insure they will not be resold or reused. Once the tanks were removed, the concrete secondary containment was demolished to a minimum of two feet below grade. Soil at the base of the tank containment area was screened using a photoionization detector (PID) by the MWH site superintendent. Soils were screened from each edge and the center of the pad area. No recordable levels were present when screened with the PID.

4.1.3 Industrial Building Demolition

Demolition of the Industrial Building, which also included the guardhouse and communication tower, began February 6, 2003. Demolition activities were completed by Eryns Contractors under subcontract to Envirotech.



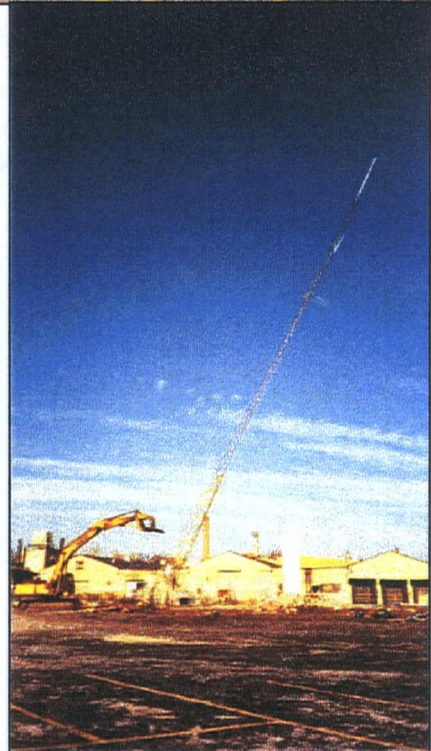


Remnant equipment and material left within the industrial building were assumed scrap and included for disposal.



The

Industrial Building was the first structure to be demolished. The building was taken apart with a hydraulic scissors rig. Materials were segregated into salvageable scrap and demolition debris. Once the frame and interior walls of the Industrial Building, guardhouse and antenna were down, the foundation walls and footings were excavated to 2 feet below grade and the concrete slab was removed on grade.



Once removed, the slab area was backfilled and



compacted with imported fill material.

4.1.4 Site Restoration

Upon completion of building demolition, imported fill material meeting the USCG specification of material conforming to ASTM D1140 No. 200 sieve and maximum particle size not to exceed 3 inches was placed in the excavated slab area. The backfill

material was spread and compacted to conform to the surrounding grade.



4.1.5 Site Fencing

The Industrial Building straddled the fence line for the USCG property. Once the building was removed, access to the USCG property could be

made
from the
Alumax



facility. This created a problem early on in the project when suspected vandalism occurred to the pad-mounted transformer. MWH modified

the work at the facility to include installing a fence along the northern property boundary

left open by demolition of the building. MWH contracted Best Built Fence, located in St. Louis, Missouri for the construction effort. Approximately 334 feet, of 96-inch chain link fence was installed to include:

- 3 Strands of barbed wire
- 9 gage fabric
- Posts and rails set on 10 ft centers
- 2.5 line post
- 1 5/8 top rail

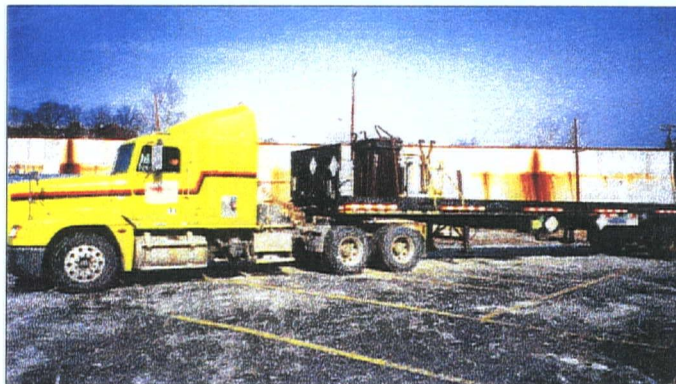
The new fence was tied at each end into the existing fence line.

5.0 EMERGENCY RESPONSE AND POLE MOUNTED TRANSFORMER REMOVAL

In February 2002, MWH completed a Remedial Investigation and Feasibility Study to obtain sufficient data regarding the nature and extent of contamination at Old Base St. Louis to allow selection of a remedial strategy for the site (MWH, 2002A). During this effort, MWH sampled the dielectric fluid from the pad-mounted transformer to determine if PCBs were present and at what concentration. Results from this assessment indicated 87 parts per million (ppm) PCBs. MWH was contracted to remove and properly dispose of the pad-mounted transformer and its contents as part of the demolition program. Additionally, three pole-mounted transformers located on the southwest side of the facility were suspected to contain PCBs and subsequently requested to be removed for disposal. Finally, a release from the pad-mounted transformer was noted during the Asbestos abatement effort, which required emergency response actions. Information regarding these activities is discussed below.

5.1 Pad-Mounted Transformer Disposal

As stated previously, sampling and testing of the pad-mounted transformer occurred during the MWH 2002 Remedial Investigation and Feasibility Study. Removal of the pad-mounted transformer was initiated during the asbestos abatement project. On December 10, 2002 Ameren arrived on site to disconnect all the power and de-energize the main power transformer. It was noted at that time, that the dielectric fluid was leaking from the pad-mounted transformer. Emergency response actions were immediately taken to minimize the release. Subsequently, the transformer fluid was drained into DOT-approved 55-gallon drums. The transformer



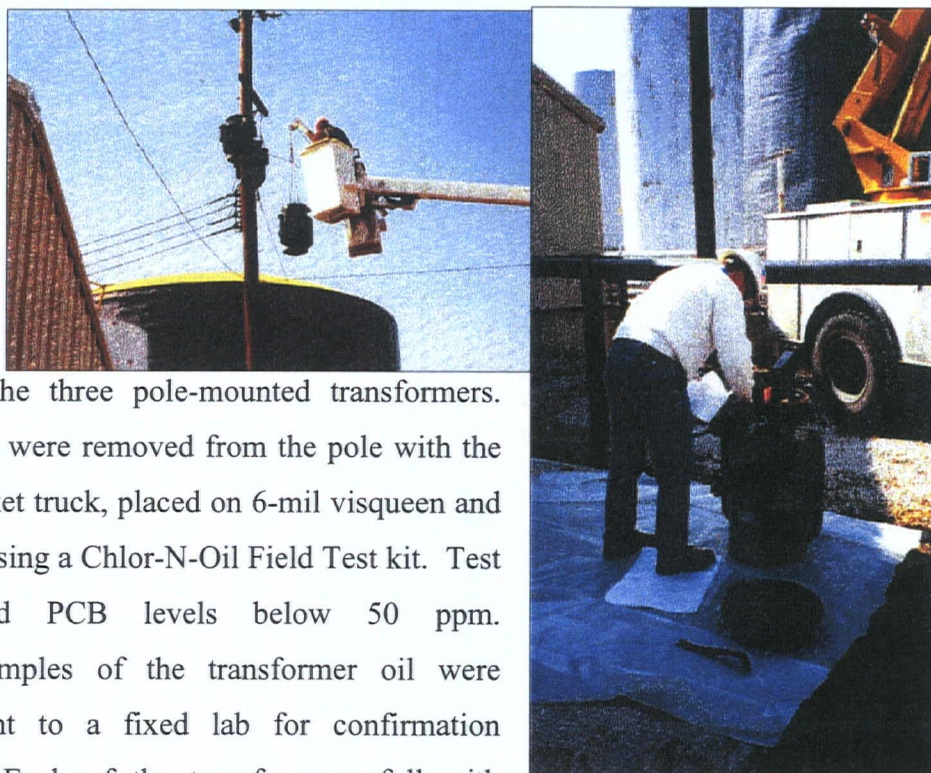
carcass was decontaminated for transportation and disposal. On March 11, 2002, the transformer carcass was loaded onto a flat bed truck operated by Clean Harbors for disposal. Waste Disposal Manifests are provided in Appendix F.

5.2 Pole-Mounted Transformer Removal

During the interim period between the asbestos abatement and the demolition, MWH assisted the USCG in coordinating with the local utility companies to have the power to the facility cut-off. On December 10, 2002, it was noted by Ameren, the local utility contractor, that three pole-mounted transformers located on the southwest side of the facility belonged to the USCG and were likely PCB containing. The information was presented to the CEU Miami Project Manager and a task order issued to MWH to remove and properly dispose of these transformers. Each transformer is a Westinghouse 25 kilovolt unit. Serial numbers taken from the units were recorded and provided in Appendix F.

On March 11, 2003, Singley Environmental arrived at the facility to begin removal

and testing of the three pole-mounted transformers. The transformers were removed from the pole with the support of a bucket truck, placed on 6-mil visqueen and the oil sampled using a Chlor-N-Oil Field Test kit. Test results indicated PCB levels below 50 ppm. Confirmation samples of the transformer oil were subsequently sent to a fixed lab for confirmation (Appendix F). Each of the transformers, full with



dielectric fluid, were loaded onto a truck for transportation and disposal to the Clean Harbor facility located in Coffeyville, Kansas. Copies of the transportation and disposal manifests are provided in appendix F.



5.3 Emergency Removal and Disposal of PCB Contaminated Soil

As previously noted in Section 5.1, a release of dielectric fluid from the pad-mounted transformer was discovered on December 10, 2002. Immediately upon discovery, MWH personnel took measures to minimize the release. USCG personnel were notified and the source of the leak contained. The affected area included the concrete slab where the transformer resided and surrounding soils.



MWH was authorized to proceed with emergency response procedures. Absorbent materials were placed over the concrete and affected soil area. The absorbent and surficially impacted materials were placed in DOT approved containers and stored on site. Work progressed into the night until all the surficial material had been contained.

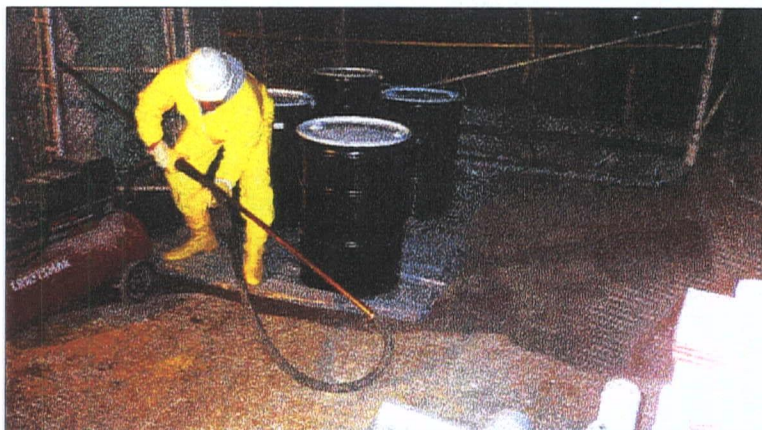


A total of five drums of material, including personal protective equipment were generated by the initial response. MWH, on behalf of the USCG contacted state and federal



agencies as part of the notification requirements. Incident numbers from the notification are:

- State - 0212-1440-DLT
- EPA - 631366



Subsequent action included the excavation and removal of the concrete slab and affected soil contamination. During this effort approximately 20 tons of material was excavated and placed in roll-off

containers. Once the impacted material had been adequately over excavated, confirmation samples were collected at the base of the open excavation. A composite of five locations was submitted to Simulabs, located in Merriville, Indiana for PCBs. Results indicated concentrations below detection limits. Copies of the analytical data sheet and chain of custody form are provided in appendix F.

A sample of the material removed from the excavation was collected for waste disposal characterization. A composite sample was submitted for waste characterization analysis to Teklab, Inc., located in Collinsville, Illinois. Results indicated Aroclor 1254 at a concentration of 238 micrograms per kilogram. A generator waste profile sheet was prepared and submitted for landfill approval. Because the source of the contamination was a known PCB material, the waste was disposed of as a Toxic Substance Control Act (TSCA) waste and therefore had to be disposed of in a TSCA approved landfill. The two roll-offs were transported to the Clean Harbor facility located in Coffeyville, Kansas on May 12 and May 20, 2003. Copies of the waste disposal manifests are provided in Appendix F.

6.0 REFERENCES

EDP Consultants, Inc., 1991. *Report of Phase I Environmental Evaluations, Base St. Louis Missouri*, November 1991

EDP Consultants, Inc., 1992. *Report of Phase II Environmental Evaluations, Base St. Louis, Missouri*, May 1992.

MWH Americas, Inc., 2002A. *Site Work Plan for the Remedial Investigation/Feasibility Study and Asbestos Demolition Survey at Old Base, St. Louis, Missouri*, February 2002.

MWH Americas, Inc., 2002B. *Asbestos Survey Report, U. S. Coast Guard Old Base St. Louis, St. Louis Missouri*, March 2002.

Ifo/federal/coastguard/CEU Cleveland/Task Orders/TO 2/Report

Appendix A

Asbestos Abatement Notification

CUSTOMER'S COPY

CITY OF ST. LOUIS
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF AIR POLLUTION CONTROL

Received from Envirotech 10/21/02

Location (If Applicable) #1 Iron St.

Permit Number	CASH			
	CHECKS	5808	100	—
	MONEY ORDER			

Units	Hours	Description	Amount	
		City Source Permit Fee @ \$30		
		City Source Emission Fee (per Unit) @ \$25		
		City Source Processing @ \$25/hr		
		Construction Permit Filing Fee (10 CSR 10-6.060) or (10 CSR 10-5.220) @ \$100		
		Construction Permit Processing (10 CSR 10-6.060) @ \$50/hr		
		Amended Permit Filing Fee @ \$100		
		Amended Permit Processing @ \$50/hr		
1		Asbestos Notification Fee (State Regulation) @ \$100	100	—
		Asbestos Inspection Fee (City Ordinance) @ \$100		
		Visible Opacity Certification Fee @ \$200		
		Visible Opacity Re-Certification Fee @ \$100		
		Abrasive Blasting Inspection Fee @ \$50		
		Stage II Operating Permit Notification Fee @ \$100		
		Application for Variance Fee @ \$50		
		Misc. Processing		
		Penalty Fee		
		TOTAL	100	—

No. 2256

Received by K. Stewart

34717

Operator Project # 02174	Postmark	Date Received	Notification #							
I. TYPE OF NOTIFICATION (O=Original R=Revised C=Cancelled) O										
FACILITY INFORMATION (Identify owner, removal contractor, and other operator)										
OWNER NAME: United States Coast Guard c/o MWH Constructors, inc.										
Address: 10619 S. Jordan Gateway										
City: Salt Lake City	State: Utah	zip: 86095								
Contact:	Tel: 402-444-5220									
REMOVAL CONTRACTOR: ENVIROTECH, INC.										
Address: 2737 Papin										
City: ST. LOUIS	State: MO	Zip: 63103								
Contact: Dottie Hoffman			Tel: 314-865-1293							
OTHER OPERATOR:										
Address:		City:	State:							
Contact:		Phone:	Zip:							
III. TYPE OF OPERATION (D=Demo C=Ordered Demo R=Renovation E=Emer.Renovation) D										
IV. IS ASBESTOS PRESENT? (Yes/No) Yes										
V. FACILITY DESCRIPTION (Include building name, number and floor or room number)										
BLDG. NAME USCG Old Base										
Address: #1 Iron Street										
City: St. Louis	State: MO	County: St. Louis								
Site Location: same										
Building Size:	# of floors:									
Prior Use: Vacant			Prior Use:							
VI. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:										
Bulk Samples/Polarized light microscopy with dispersion staining										
VII. APPROXIMATE AMOUNT OF ASBESTOS, INCLUDING		Nonfriable Asbestos Material Not To Be Removed		Indicate Unite of Measurement Below						
1. Regulated ACM to be Removed	RACM To Be Removed	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Cat I</td> <td style="width:50%; text-align: center;">Cat II</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>		Cat I	Cat II					Unit
Cat I				Cat II						
2. Category 1 ACM Not Removed										
3. Category II ACM Not Removed										
Piping				800 l.f.						
Duct Wrap			20							
Vol. RACM Off Facility Component			CuFt.	Cu.m.						
VIII. SCHEDULED DATES ASBESTOS REMOVAL (MM/DD/YY)		Start: 11/04/02		Completion: 12/30/02						
IX. SCHEDULED DATE OF DEMO/RENOVATION (MM/DD/YY)		Start:								

X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED:
DEMOLITION TO BE DONE BY OTHERS

XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT
EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE:

Piping-wrap & cut-material will be wetted, glove bagged & wrpped in 2 layers of 6 mil. poly
Insulation will be kept wet & removed under demo conditions

XII. WASTE TRANSPORTER #1

Name: C. Grantham
Address: P.O.Box 326
City: Columbia State: IL Zip: 62236
Contact Person: Telephone: 618-398-1020

WASTE TRANSPORTER #2

Name:
Address:
City: State: Zip:
Contact Person: Telephone:

XIII. WASTE DISPOSAL SITE

Name: Milam Landfill
Address: 601 Madison Road
City: E. St.Louis State: IL Zip: 62269
Contact Person: Janine Kennedy Telephone: 618-271-8788

XIV. IF DEMOLITION ORDERED BY GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW:

Name: Title:
Authority:
Date of Order (MM/DD/YY) Date Ordered to Begin (MM/DD/YY)

XV. FOR EMERGENCY RENOVATIONS

Date and Hour of Emergency (MM/DD/YY)

Description of the Sudden, Unexpected Event:

Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable financial burden:

XVI. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS
FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLLED, PULVERIZED,
OR REDUCED TO POWDER.

The area will be isolated, the Owner and responsible agency will be notified, the notification amended
and abatement will be performed in accordance with all OSHA/NESHAPS Regulations

XVII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THIS REGUALTION (40 CFR PART 61,SUBPART M)
WILL BE ON-SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING
HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINES
HOURS. (Required 1 year after promulgation)


(Signature of Owner/Operator)

10/18/02

XVIII. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.


(Signature of Owner/Operator)

10/18/02

TABLE 4 (CONTINUED)

ESTIMATED QUANTITIES OF ASBESTOS CONTAINING MATERIALS

Sample No.	Material Description	Location(s)	Asbestos Content	Estimated Quantity	Friable/ Nonfriable
Industrial Building Water Pipe Insulation (Continued):					
2002007668	Black Tar Paper Layer (4 in. water pipe)	Room 22 S. wall	30	57 ft.	Friable
	Tan Fibrous Layer (4 in. water pipe)	Room 22 S. wall	< 1	Minimum 1 Valve Assembly	Friable
2002007669	Black Tar Paper Layer (4 in. water pipe)	Room 22 E. wall	40	32 ft.	Friable
	Tan Fibrous Layer (4 in. water pipe)	Room 22 E. wall	< 1	Minimum 1 Valve Assembly	Friable
2002007671	Black Tar Paper Layer (4 in. water pipe valve)	Room 21 S. wall	40	57 ft.	Friable
	White Fibrous Layer (4 in. water pipe valve)	Room 21 S. wall	60	Minimum 1 Valve Assembly	Friable
2002007672	White Powdery Insulation (4 in. water pipe valve)	Loft Area (1 of 2 main pipes to bathrooms)	50	Minimum 14 Valve Assemblies	Friable
2002007673	Black Tar Paper (4 in. water pipe)	Loft Area (1 of 2 main pipes to bathrooms)	30	180 ft.	Friable
	Tan Paper Layer (4 in. water pipe)		< 1		Friable
2002007701	Green Floor Tile (9x9 in.)	Room 12, 3, & 16	10	1,470 sq/ ft/	Nonfriable
	Black Mastic Layer		10		Nonfriable
2002007650	Brown Floor Tile (9x9 in.)	Room 16	5	200 sq. ft	Nonfriable
	Black Mastic Layer	Room 16	1		Nonfriable
Miscellaneous:					
2002007638	White air Duct Fabric	Room 1	60	20 ft.	Friable
NAFA Building Wall Coverings:					
2002007678	Gray Cement Board	Room 11	20	120 sq. ft.	Nonfriable
Service Building Floor Coverings:					
2002007716	White Floor Tile	Room 1 Bathroom	2	64 sq. ft.	Nonfriable
	Black Mastic Layer	Area	5		Nonfriable

TABLE 4

ESTIMATED QUANTITIES OF ASBESTOS CONTAINING MATERIALS

Sample No.	Material Description	Location(s)	Asbestos Content	Estimated Quantity	Friable/ Nonfriable
<u>Industrial Building</u>					
Exterior Siding:					
2002007012	Gray Cement Board (4 x 10 ft exterior panels)	Exterior of Building	25	9,850 sq. ft.	Nonfriable
2002007019	Gray Cement Board (4 in. securing strips)	Exterior of Building	30	250 sq. ft.	Nonfriable
Roof Materials:					
2002007026	Black Tar Layer for Patched Areas and Seal at Eave End of Roof	Roof	15	640 ft.	Nonfriable
Wall Coverings:					
2002007698	Gray Cement Wall Board Brown Fibrous Layer	Numerous Interior Walls	20 < 1	10,926 sq. ft.	Nonfriable Friable
Water Pipe Insulation:					
2002007022	Brown Paper Payers (6 in. water pipe)	Room 1 and Entire Length of Building Interior	30	340 ft.	Friable
2002007025 2002007674	White Mud Insulation (6 in. pipe valve in Room 1) White Mud Insulation (6 in. pipe valve in Loft area)	Entire Length of Building	20 40	Minimum 1 Valve Assembly Minimum 7 "T" Joints	Friable
<u>Industrial Building</u>					
Water Pipe Insulation:					
2002007639	Brown Fibrous Insulation Black Tar Paper (4 in. water pipe wrap)	Room 7 Room 7	< 1 40	57 ft.	Friable Friable
2002007667	White Mud Insulation At Valves (4 in. water pipe insulation)	Room 2	20	Minimum 1 Valve Assembly	Friable

City of St. Louis APC
15 N. 13th St.
St. Louis, MO 63106

TO: Inspector Calvin Wellmaker
Fax: 613-7275

ASBESTOS NOTIFICATION
AMENDMENT FORM

Notification No:
Job # 02174

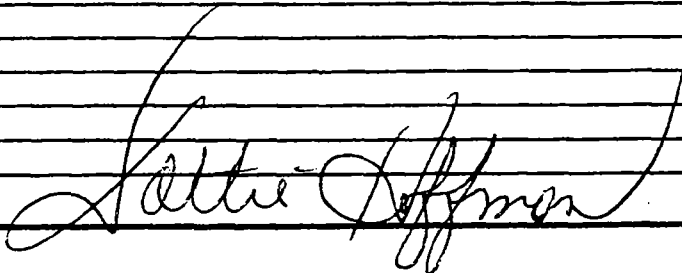
Asbestos Contractor Name: ENVIROTECH, INC.
Street Address: 2737 Papin, St. Louis, MO 63103
Phone #: 314-865-1293 Fax #: 314-865-2782

Project Site Name: USCG Old Base
Street Address: #1 Iron Street

Currently Notified Information	Amended To
Start Date: 11/4/02	Start Date: 11/11/02

Other information or explanation if necessary:

Signed:



Date: 11/1/02

TO: Inspector Calvin Wellmaker
Fax: 613-7275

Notification No:
Job # 02174

Project Site Name: USCG Old Base
Street Address: #1 Iron Street

[illegible]

Signed:

Date: 11/21/02

TO:
Fax: 613-7275

Notification No:
Job # 02174

Project Site Name: USCG Old Base
Street Address: #1 Iron Street

Other information or explanation if necessary:

Date: 12/4/02

TO:
Fax: 613-7275

Notification No:
Job # 02174

Project Site Name: USCG Old Base
Street Address: #1 Iron Street

[illegible]

Other information or explanation if necessary:

Signed/

Date: 12/9/02

Appendix B

ACM Transportation and Disposal Manifests

City of St. Louis
Air Pollution Control
1415 N. 13th Street
St. Louis, MO 63106

02174

GENERAL INSTRUCTIONS

Asbestos abatement projects of a magnitude of ten (10) square feet, sixteen (16) linear feet or greater are required to submit post-notification to the department within sixty (60) days of the completion date submitted on your initial notification or application form to the department. This post-notification shall include a signed and dated receipt of the asbestos disposal slip(s) as well as the final clean air results. These documents as well as the completed post-notification form shall be mailed to the following address:

City of St. Louis
Air Pollution Control
1415 N. 13th Street
St. Louis, MO 63106

PART A ASBESTOS PROJECT INFORMATION

1. NAME OF CONTRACTOR

Envirotech, Inc.

2. CONTRACTOR CONTACT PERSON

Dottie Hoffman

3. BUILDING/STRUCTURE OWNER NAME

USCG

STREET ADDRESS

#1 Iron Street

CITY

St. Louis

STATE

MO

ZIP

4. START DATE OF PROJECT

11/1/02

COMPLETION DATE OF PROJECT

2/5/03

PART B AIR SAMPLING AND LABORATORY INFORMATION

NAME OF ANALYTIC LABORATORY UTILIZED FOR FINAL AIR RESULTS

Ecosafe

STREET ADDRESS

8224 Manchester Road

CITY

St. Louis

STATE

MO

ZIP

63144

TELEPHONE

314-961-5695

CONTACT PERSON

Dave Schau

NOTE

INCLUDE A COPY OF THE FINAL CLEARANCE AIR RESULTS.

TRANSPORTATION AND DISPOSAL MANIFEST

02/174

Box E-4

GENERATOR	1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron Street, St. Louis, MO		OWNER'S NAME U.S. Coast Guard		OWNER'S PHONE # 314-539-3100	
	2. OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293			
	3. WASTE DISPOSAL SITE (WDS) NAME: D & L Landfill, 825 Willard St. Greenville, IL 62246 MAILING ADDRESS: PHYSICAL SITE LOCATION: Same WDS PHONE: 618-664-2587					
	4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO NAME: ADDRESS:					
GENERATOR	5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE		7. TOTAL QUANTITY M ³ (YD ³)	
	non friable window tint		70w.			
			40 bags			
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII						
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.						
NAME & TITLE DONALD MARSHALL		SIGNATURE X Donald Marshall			MONTH DAY YEAR 02/05/03	
TRANSPORTER	10. TRANSPORTER 1 (Acknowledgement of receipt of materials)					
	NAME Frontier Hauling LLC		TITLE Driver		SIGNATURE [Signature]	
	ADDRESS P.O. Box 190815, St. Louis, MO 63119		PHONE 314-962-9629		DATE 2/5/03	
	11. TRANSPORTER 2 (Acknowledgement of receipt of materials)					
NAME		TITLE Driver		SIGNATURE X [Signature]		
ADDRESS		PHONE		DATE 2/7/03		
DISPOSAL SITE	12. DISCREPANCY INDICATION SPACE:					
	13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12					
	NAME & TITLE LEE ROY McCray Pres		SIGNATURE X LEE ROY McCray			MONTH DAY YEAR 02/07/03

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

Box E-3

02187

1. WORK SITE NAME AND MAILING ADDRESS Envirotech Yard Box General Electric 2737 Papin, St. Louis, MO 6251 Etzel, St. Louis		OWNER'S NAME US Coast Guard Envirotech		OWNER'S PHONE # 584 2 000 314-726-9115
2. OPERATOR'S NAME AND ADDRESS US Coast Guard Old Base 120W St Louis MO.		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293
3. WASTE DISPOSAL SITE (WDS) Metam Landfill, 601 Madison Road, E. St. Louis, IL NAME: Green Hill D+L Landfill PHYSICAL SITE LOCATION: Same MAILING ADDRESS: WDS PHONE: 618-271-6788				
4. RESPONSIBLE AGENCY St. Louis CO APC, 111 S. Meramec, Clayton, MO 63105 NAME: ADDRESS:				
5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE		7. TOTAL QUANTITY M ³ (YD ³)
Windows Nonfriable		70		
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII				
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
NAME & TITLE Donald MARSHALL Sup.		SIGNATURE X Donald Marshall		MONTH DAY YEAR 02/04/03
10. TRANSPORTER 1 (Acknowledgement of receipt of materials)				
NAME A. Envirotech Frontier Hlgs.		TITLE Driver		SIGNATURE Envirotech
ADDRESS 190815 St Louis, MO 63119-6815 P.O. Box 000 , 00000 , 00000		PHONE 000-000-0000		DATE 2/4/03
11. TRANSPORTER 2 (Acknowledgement of receipt of materials)				
NAME		TITLE Driver		SIGNATURE X Carl Walker
ADDRESS		PHONE		DATE 2/4/03
12. DISCREPANCY INDICATION SPACE:				
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12				
NAME & TITLE Lee Roy McCray Pres		SIGNATURE X Lee Roy McCray /s/		MONTH DAY YEAR 02/04/03

GENERATOR

TRANSPORTER

DISPOSAL SITE

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

E-1

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron Street, St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
2. OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	
3. WASTE DISPOSAL SITE (WDS) NAME: XXXXXXXXXXXXXXXXXXXX D & L Landfill, 825 Willard St., Greenville, IL 62246 PHYSICAL SITE LOCATION: MAILING ADDRESS: WDS PHONE: 618-664-2587			
4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO NAME: ADDRESS:			
5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
FRIABLE ACM Pipe		80 piece	
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
NAME & TITLE Donald Marshall		SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 / 18 / 02

TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC		TITLE Driver	SIGNATURE [Signature]
ADDRESS P.O. Box 190815, St. Louis, MO 63119		PHONE X 618-664-2587 314-962-9629	DATE 11 / 18 / 02
11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME		TITLE	SIGNATURE X
ADDRESS		PHONE	DATE / /

12. DISCREPANCY INDICATION SPACE:			
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS VERIFIED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McCray, Pres		SIGNATURE X Lee Roy McCray / SH	MONTH DAY YEAR 11 / 18 / 02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

E-1

TRANSPORTATION AND DISPOSAL MANIFEST

8064

GENERATOR	1. WORK SITE NAME AND MAILING ADDRESS <i>USCG</i> Envirotech Yard Box <i>Irone Street</i> 2737 Papin, St. Louis, MO <i>St. Louis, MO</i>		OWNER'S NAME US Coast Guard		OWNER'S PHONE # 314-529-3100
	2. OPERATOR'S NAME AND ADDRESS Envirotech, inc. 3340 Morganford Road St. Louis, MO 63116		OPERATOR'S PHONE # 314-865-1293		
	3. WASTE DISPOSAL SITE (WDS)				
	NAME: <i>Milan Landfill</i> <i>601 Madison Rd., E. St. Louis, IL</i>		PHYSICAL SITE LOCATION: <i>Same</i>		
MAILING ADDRESS:		WDS PHONE: <i>618-271-6783</i>			
4. RESPONSIBLE AGENCY <i>City of St. Louis, 1314 N. 15th, St. Louis, MO</i>					
NAME:		ADDRESS:			
TRANSPORTER	5. DESCRIPTION OF MATERIALS:		6. CONTAINERS		7. TOTAL QUANTITY
			NO. TYPE		M ³ (YD ³)
	<i>ACW pipe</i>		<i>5 BAGS</i>		<i>(2)</i>
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: <i>RC Class 9 WA2212 PGIII</i>					
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.					
NAME & TITLE		SIGNATURE		MONTH DAY YEAR	
<i>Donald Marshall</i>		<i>X Donald Marshall</i>		<i>02/07/03</i>	
DISPOSAL SITE	10. TRANSPORTER 1 (Acknowledgement of receipt of materials)				
	NAME <i>C. Grantham</i>		TITLE <i>Driver</i>		SIGNATURE <i>[Signature]</i>
	ADDRESS <i>P.O. Box 325, Columbia, IL 62236</i>		PHONE <i>618-398-1020</i>		DATE <i>3/03/03</i>
	11. TRANSPORTER 2 (Acknowledgement of receipt of materials)				
NAME		TITLE		SIGNATURE	
				<i>X</i>	
ADDRESS		PHONE		DATE	
				<i>/ /</i>	
12. DISCREPANCY INDICATION SPACE:					
13. WASTE DISPOSAL SITE OWNER OR OPERATOR:					
CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12					
NAME & TITLE		SIGNATURE		MONTH DAY YEAR	
<i>Ernie Bell clerk</i>		<i>X Ernie Bell</i>		<i>03/07/03</i>	

TRANSPORTATION AND DISPOSAL MANIFEST

GENERATOR	1. WORK SITE NAME AND MAILING ADDRESS <i>USEC</i> Envirotech Yard Box 737 Papin, St. Louis, MO		OWNER'S NAME US Coast Guard		OWNER'S PHONE # 314-539-3100
	2. OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293		
	3. WASTE DISPOSAL SITE (WDS) NAME: Milam Landfill PHYSICAL SITE LOCATION: Same 601 Madison Rd., E. St. Louis, MO MAILING ADDRESS: WDS PHONE: 618-664-2587				
	4. RESPONSIBLE AGENCY City of St. Louis APC NAME: 314 N. 15th, St. Louis, MO ADDRESS:				
TRANSPORTER	5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO TYPE		7. TOTAL QUANTITY M ³ (YD ³)
	<i>ACM tile</i>		<i>15 BAGS</i>		<i>2</i>
DISPOSAL SITE	8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGII				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	NAME & TITLE Donald Marshall		SIGNATURE <i>X Donald Marshall</i>		MONTH DAY YEAR 01 / 06 / 03
	10. TRANSPORTER 1 (Acknowledgement of receipt of materials)				
DISPOSAL SITE	NAME C. Grantham		TITLE <i>Driver</i>		SIGNATURE <i>C. Grantham</i>
	ADDRESS P.O. Box 326, Columbia, IL 62236		PHONE 618-398-1020		DATE 2 / 6 / 03
	11. TRANSPORTER 2 (Acknowledgement of receipt of materials)				
	NAME		TITLE		SIGNATURE X
ADDRESS		PHONE		DATE / /	
DISPOSAL SITE	12. DISCREPANCY INDICATION SPACE: No Profile #				
	13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12				
	NAME & TITLE MED Clerk		SIGNATURE <i>X [Signature]</i>		MONTH DAY YEAR 2 / 6 / 03

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

E-1

C-14

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U. S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314 539 3100
OPERATOR'S NAME AND ADDRESS		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE# 314-865-1293
3. WASTE DISPOSAL SITE (WDS)			
NAME: D&L Landfill 825 Willard St., Greenville, IL 62246		PHYSICAL SITE LOCATION: Same	
MAILING ADDRESS:		WDS PHONE: 618 664 2587	
4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th., St. Louis, MO			
NAME:		ADDRESS:	
5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
Transit silt Friable		1 Drum	1
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
NAME & TITLE Keith Miller		SIGNATURE X [Signature]	MONTH DAY YEAR 12 1 102

TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC		TITLE Driver	SIGNATURE [Signature]
ADDRESS P O Box 190815, St. Louis, MO 63119		PHONE 314 962 9629	DATE 12/10/02
11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME		TITLE	SIGNATURE X
ADDRESS		PHONE	DATE / /

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:			
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12x			
NAME & TITLE Lee Roy McCray Pres		SIGNATURE X [Signature]	MONTH DAY YEAR 12/10/02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

E-1 C-8

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U. S. Coast Guard Old Base #1 Iron Street, St. Louis, MO		OWNER'S NAME U. S. Coast Guard	OWNER'S PHONE # 314 539 3100
OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE# 314-865-1293	

3. WASTE DISPOSAL SITE (WDS)			
NAME:	D&L Landfill, 825 Willard St. Greenville, IL 62246	PHYSICAL SITE LOCATION:	Same
MAILING ADDRESS:		WDS PHONE:	618 664 2587

4. RESPONSIBLE AGENCY City of ST. Louis APC, 1314 N. 15th., St. Louis, MO	
NAME:	ADDRESS:

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS	7. TOTAL QUANTITY
	NO.	TYPE
	M ³ (YD ³)	
	1 Container	
	20 yds.	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION:			
RQ	Class 9	NA2212	PGIII

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
--	--	--	--

NAME & TITLE Keith Miller	SIGNATURE X Keith Miller	MONTH DAY YEAR 12 / 07 / 02
------------------------------	-----------------------------	--------------------------------

TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE [Signature]	DATE 12 / 7 / 02
ADDRESS P O Box 190815, St. Louis, MO 63119	PHONE 314 9629629		

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE Driver	SIGNATURE X Carl Walker	DATE 12 / 9 / 02
ADDRESS	PHONE		

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:			
13. WASTE DISPOSAL SITE OWNER OR OPERATOR:			
CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McClay Pres	SIGNATURE X Lee Roy McClay	MONTH DAY YEAR 12 / 09 / 02	

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

C-15

E-1

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314 539 3100
OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	

3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill, 825 Willard ST., Greenville, IL, 62246 MAILING ADDRESS:		PHYSICAL SITE LOCATION: Same WDS PHONE: 618 664 2587
--	--	---

4. RESPONSIBLE AGENCY City of St. Louis Air Pollution Control, 1314 N15th St. St. Louis, MO NAME: ADDRESS:	
--	--

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS		7. TOTAL QUANTITY M ³ (YD ³)
	NO.	TYPE	
TRANSIT SILING NO FLAMBLE	1	DUMPSHOCK	1

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII	
---	--

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.		
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NAME & TITLE Keith Miller	SIGNATURE X Keith Miller	MONTH DAY YEAR 12 / 07 / 00
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10. TRANSPORTER 1 (Acknowledgement of receipt of materials)		
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NAME Frontier Hauling, LLC	TITLE Driver	SIGNATURE [Signature]
ADDRESS P O Box 190815, St. Louis, MO 63119	PHONE 314 962 9629	DATE 12 / 7 / 02

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)		
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NAME	TITLE	SIGNATURE X
ADDRESS	PHONE	DATE / /

12. DISCREPANCY INDICATION SPACE:		
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13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12		
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NAME & TITLE LEE Roy McCray Pres	SIGNATURE X LEE Roy McCray / SH	MONTH DAY YEAR 12 / 09 / 02
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WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

GENERATOR

TRANSPORTER

DISPOSAL SITE

TRANSPORTATION AND DISPOSAL MANIFEST

02174

C-2

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-639-3100
OPERATOR'S NAME AND ADDRESS		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE # 314-865-1293

3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill, 825 Willard St., Greenville, IL 62246 MAILING ADDRESS:		PHYSICAL SITE LOCATION: Same WDS PHONE: 618-664-2587
---	--	---

4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO NAME: ADDRESS:	
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5. DESCRIPTION OF MATERIALS:	6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
FRAGILE ARM Transit	20yd	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII	
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9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.		
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NAME & TITLE Donald Marshall	SIGNATURE X Donald Marshall	MONTH DAY YEAR 12 1 06 102
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TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE 	DATE 12 1 9 102
ADDRESS P.O. Box 190815, St. Louis, MO 63119		PHONE 314-962-9629	
11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	DATE / /
ADDRESS		PHONE	

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:		
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12		
NAME & TITLE Lee Roy McGary Jr	SIGNATURE X Lee Roy McGary Jr	MONTH DAY YEAR 12 1 09 102

92174

TRANSPORTATION AND DISPOSAL MANIFEST

C-16

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St. St Louis Mo		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-639-3100
2. OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	
3. WASTE DISPOSAL SITE (WDS) NAME: D-L Landfill 825 Willard St. GREENVILLE 411 62246 MAILING ADDRESS: PHYSICAL SITE LOCATION: SAME WDS PHONE: 618-664-2587			
4. RESPONSIBLE AGENCY NAME City of St. Louis APC 1314 N 15th St Louis Mo ADDRESS:			
5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
Fr. Able ACM Transited		20 yd	
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
NAME & TITLE Donald Marshall		SIGNATURE X Donald Marshall	MONTH DAY YEAR 12/06/02

TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE [Signature]	
ADDRESS P.O. Box 190815 St. Louis Mo 63119	PHONE 314-962-9629	DATE 12/09/02	
11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	
ADDRESS	PHONE	DATE / /	

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:			
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McClay, Pres		SIGNATURE X Lee Roy McClay/SH	MONTH DAY YEAR 12/09/02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

E-1

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	

3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill, 825 Willard St., Greenville, IL 62246 PHYSICAL SITE LOCATION: Same MAILING ADDRESS: WDS PHONE: 618-664-2587	
--	--

4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO NAME: ADDRESS:	
--	--

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
FRIABLE ACM Transit	30 yd	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII	
---	--

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.		
--	--	--

NAME & TITLE Donald Marshall	SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 / 26 / 02
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TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE <i>[Signature]</i>	DATE 12 / 02 / 02
ADDRESS P.O. Box 190815, St. Louis, MO 63119		PHONE 314-962-9629	

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	DATE / /
ADDRESS		PHONE	

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:		
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12		
NAME & TITLE Lee Roy McGraw Pres	SIGNATURE X Lee Roy McGraw / SH	MONTH DAY YEAR 12 / 02 / 02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

C-11

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	

3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill, 825 Willard St., Greenville, IL 62246 MAILING ADDRESS: PHYSICAL SITE LOCATION: Same WDS PHONE: 618-664-2587	
---	--

4. RESPONSIBLE AGENCY NAME: City of St. Louis APC, 1314 N. 15th, St. Louis, MO ADDRESS:	
---	--

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS		7. TOTAL QUANTITY M ³ (YD ³)
	NO.	TYPE	
Friable ACM Transit	2040		

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
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9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
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NAME & TITLE Donald Marshall	SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 / 27 / 02
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10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE <i>[Signature]</i>	DATE 11/27/02
ADDRESS P.O. Box 190815, St. Louis, MO 63119		PHONE 314-962-9629	

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	DATE / /
ADDRESS		PHONE	

12. DISCREPANCY INDICATION SPACE:			
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13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McGraw, Pres	SIGNATURE X Lee Roy McGraw	MONTH DAY YEAR 11 / 27 / 02	

GENERATOR

TRANSPORTER

DISPOSAL SITE

TRANSPORTATION AND DISPOSAL MANIFEST

02174

C-13

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron Street, St. Louis, MO		OWNER'S NAME XXXXXX U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103		OPERATOR'S PHONE # 314-865-1293	

3. WASTE DISPOSAL SITE (WDS)	
NAME: D & L Landfill, 825 Willard St. Greenville, IL 62246	PHYSICAL SITE LOCATION: Same
MAILING ADDRESS:	WDS PHONE: 618-664-2587

4. RESPONSIBLE AGENCY	
NAME: City of St. Louis, 1314 N. 15th, St. Louis, MO	ADDRESS:

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS	7. TOTAL QUANTITY
	NO.	TYPE
	M ³ (YD ³)	
	FRAGILE ALM Transit 20yd	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION:	
RQ Class 9 NA2212 PGIII	

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.	
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NAME & TITLE DONALD MARSHAN	SIGNATURE X Donald Marshan	MONTH DAY YEAR 11/26/02
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10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE [Signature]	DATE 11/26/02
ADDRESS P.O. Box 190815, St. Louis, MO 63119	PHONE 314-962-9629		

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE	DATE
		X	/ /
ADDRESS	PHONE	DATE	

12. DISCREPANCY INDICATION SPACE:	
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13. WASTE DISPOSAL SITE OWNER OR OPERATOR:		
CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12		
NAME & TITLE LEE Roy McCray, Pres	SIGNATURE X LEE Roy McCray	MONTH DAY YEAR 11/26/02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

GENERATOR

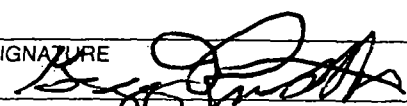
TRANSPORTER

DISPOSAL SITE

TRANSPORTATION AND DISPOSAL MANIFEST

02:74

C-14

GENERATOR	1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard		OWNER'S PHONE # 314-539-3100
	2. OPERATOR'S NAME AND ADDRESS Envirotech, inc. 3340 Morganford Road St. Louis, MO 63116		OPERATOR'S PHONE # 314-865-1293		
	3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill 825 Willard St., Greenville, IL 62246 MAILING ADDRESS: PHYSICAL SITE LOCATION: Same WDS PHONE: 618-664-2587				
	4. RESPONSIBLE AGENCY City of St. Louis APC NAME: 1314 N. 15th St., St. Louis, MO ADDRESS:				
	5. DESCRIPTION OF MATERIALS:		6. CONTAINERS NO. TYPE		7. TOTAL QUANTITY M ³ (YD ³)
	FRAGILE ACM Transit		20 yd		
8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA 2212 PGIII					
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.					
NAME & TITLE Donald MARSHALL		SIGNATURE X Donald Marshall		MONTH DAY YEAR 11/26/02	
TRANSPORTER	10. TRANSPORTER 1 (Acknowledgement of receipt of materials)				
	NAME Frontier Hauling LLC		TITLE Driver	SIGNATURE 	
	ADDRESS P.O. 190815, St. Louis, MO 63119		PHONE 314-962-9629	DATE / /	
	11. TRANSPORTER 2 (Acknowledgement of receipt of materials)				
	NAME		TITLE	SIGNATURE X	DATE / /
DISPOSAL SITE	12. DISCREPANCY INDICATION SPACE:				
	13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12				
	NAME & TITLE Lee Roy McCray, Pres		SIGNATURE X Lee Roy McCray/SH		MONTH DAY YEAR 11/26/02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02174

B-20

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base #1 Iron St., St.Louis,MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE# 314-865-1293

3. WASTE DISPOSAL SITE (WDS) D&L Landfill, 825 Willard St., Greenville, IL 62246	
NAME:	PHYSICAL SITE LOCATION:
MAILING ADDRESS:	WDS PHONE: 618-664-2587

4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th St., St.Louis, MO	
NAME:	ADDRESS:

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS		7. TOTAL QUANTITY M ³ (YD ³)
	NO.	TYPE	
FRIABLE ACM Transit	30	yd	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
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9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

NAME & TITLE Donald MARSHALL	SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 / 25 / 02
---------------------------------	--------------------------------	--------------------------------

TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE <i>[Signature]</i>	DATE 11 / 25 / 02
ADDRESS P.O.Box 190815, St.Louis, MO 63119		PHONE 618-664-XXXX 314-962-9629	

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	DATE / /
ADDRESS		PHONE	

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:		
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12		
NAME & TITLE LEE Roy McGraw, Pres	SIGNATURE X LEE Roy McGraw / RA	MONTH DAY YEAR 11 / 25 / 02

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

TRANSPORTATION AND DISPOSAL MANIFEST

02074

E-3

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE # 314-865-1293

3. WASTE DISPOSAL SITE (WDS) D&L Landfill, 825 Willard St., Greenville, IL 62246	
NAME:	PHYSICAL SITE LOCATION:
MAILING ADDRESS:	WDS PHONE: 618-664-2587

4. RESPONSIBLE AGENCY CITY OF ST. LOUIS City of St. Louis APC, 1314 N.15th, St. Louis, MO	
NAME:	ADDRESS:

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS		7. TOTAL QUANTITY M ³ (YD ³)
	NO.	TYPE	
FRAGILE ACM Transit	30	yd	

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII			
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9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
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NAME & TITLE Donald Marshall	SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 / 21 / 02
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10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE <i>[Signature]</i>	DATE 11 / 25 / 02
ADDRESS P.O.Box 190815, St. Louis, MO 63119	PHONE 314-962-9629		

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE	DATE
		X	/ /
ADDRESS	PHONE		

12. DISCREPANCY INDICATION SPACE:			
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13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McCray, Pres	SIGNATURE X Lee Roy McCray /SH	MONTH DAY YEAR 11 / 25 / 02	

WHITE/OPERATIONS

CANARY/LANDFILL

PINK/TRANSPORTER

GOLD/FIELD COPY

GENERATOR

TRANSPORTER

DISPOSAL SITE

TRANSPORTATION AND DISPOSAL MANIFEST

02174

C-13

GENERATOR

1. WORK SITE NAME AND MAILING ADDRESS U.S. Coast Guard Old Base 41 Iron St., St. Louis, MO		OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # 314-539-3100
OPERATOR'S NAME AND ADDRESS		Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE # 314-865-1293

3. WASTE DISPOSAL SITE (WDS)	
NAME: D&L Landfill 825 Willard St., Greenville, IL 62246	PHYSICAL SITE LOCATION: Same
MAILING ADDRESS:	WDS PHONE: 618-664-2587

4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO	
NAME:	ADDRESS:

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS NO.	TYPE	7. TOTAL QUANTITY M ³ (YD ³)
FRAGILE ACM Transit	2040		

8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII	
---	--

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.		
--	--	--

NAME & TITLE Donald Marshall	SIGNATURE X Donald Marshall	MONTH DAY YEAR 11 20 02
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TRANSPORTER

10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE <i>[Signature]</i>	DATE 11 21 02
ADDRESS P.O.Box 190815, St. Louis, MO 63119	PHONE 314-962-9629		

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE X	DATE / /
ADDRESS	PHONE		

DISPOSAL SITE

12. DISCREPANCY INDICATION SPACE:			
13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE Lee Roy McCray, Pres	SIGNATURE X Lee Roy McCray / SA	MONTH DAY YEAR 11 21 02	

TRANSPORTATION AND DISPOSAL MANIFEST

02174

B-20

1. WORK SITE NAME AND MAILING ADDRESS U.S. COAST GUARD OLD BASE Iron St., St. Louis, MO	OWNER'S NAME U.S. Coast Guard	OWNER'S PHONE # = 314-539-3100
---	----------------------------------	-----------------------------------

2. OPERATOR'S NAME AND ADDRESS Envirotech, Inc. 2737 Papin Street St. Louis, MO 63103	OPERATOR'S PHONE # 314-865-1293
--	------------------------------------

3. WASTE DISPOSAL SITE (WDS) NAME: D&L Landfill, 825 Willard St., Greenville, IL 62246 MAILING ADDRESS: WDS PHONE: 618-664-2587	
--	--

4. RESPONSIBLE AGENCY City of St. Louis APC, 1314 N. 15th, St. Louis, MO NAME: ADDRESS:
--

5. DESCRIPTION OF MATERIALS:	6. CONTAINERS NO. TYPE	7. TOTAL QUANTITY M ³ (YD ³)
FRIABLE ACM 30 yd transit	1	

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: RQ Class 9 NA2212 PGIII	
--	--

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.		
--	--	--

NAME & TITLE Donald Marshall	SIGNATURE x Donald Marshall	MONTH DAY YEAR 11 / 19 / 02
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10. TRANSPORTER 1 (Acknowledgement of receipt of materials)			
NAME Frontier Hauling LLC	TITLE Driver	SIGNATURE [Signature]	DATE 11 / 20 / 02
ADDRESS P.O. Box 190815, St. Louis, MO 63119	PHONE 818-664-2587 314-962-9629	DATE 11 / 20 / 02	

11. TRANSPORTER 2 (Acknowledgement of receipt of materials)			
NAME	TITLE	SIGNATURE	DATE
		X	
ADDRESS	PHONE	DATE	

12. DISCREPANCY INDICATION SPACE:			

13. WASTE DISPOSAL SITE OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 12			
NAME & TITLE LEE Roy McCray, Pres	SIGNATURE x LEE Roy McCray / SH	MONTH DAY YEAR 11 / 20 / 02	

Appendix C

Window Caulking asbestos Analytical Results

EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone: 732-981-0550 Fax: 732-981-0551 Email: piscatawaylab@emsl.com

EMSLAttn: Dave Schau
Ecosafe Worldwide
8224 Manchester Road
St. Louis, MO 63144

Fax: (314) 961-5723

Phone: 314-961-5695

Project: #1 Iron St.

Customer ID: SCHA50
Customer PO: 8237
Received: 12/10/02 9:45 AM

EMSL Order: 050205079

EMSL Project ID:

Analysis Date: 12/10/02

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
MWH-WC-1	Main	Gray	Teased		27% Non-fibrous (other)	3% Chrysotile
050205079-0001	Bldg/Window	Non-Fibrous	Dissolved		70% CA Carbonite	
	Caulking	Heterogeneous				

Analyst(s)

Drew Hodgden (1)

Adrian Arav
or other approved signatory

It has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0266 Approved Env. Lab)

PLM-1

EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone: 732-981-0550 Fax: 732-981-0551 Email: piscatawaylab@emsl.com

EMSL

Attn: Dave Schau
Ecosafe Worldwide
8224 Manchester Road
St. Louis, MO 63144

Fax: (314) 961-5723

Project: #1 Iron St.

Phone: 314-961-5695

Customer ID: SCHA50

Customer PO: 8237

Received: 12/11/02 12:40 PM

EMSL Order: 050205102

EMSL Project ID:

Analysis Date: 12/11/02

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
MWH-WC-1	Main	White	Teased		31.75% Non-fibrous (other)	3.25% Chrysotile
050205102-0001	Bldg/Window	Non-Fibrous	Crushed		65.00% CA Carbonite	
	Caulking	Heterogeneous	Dissolved			

Drew Hodgden

Analyst



Adrian Arav
or other approved signatory

It has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results can not be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLP nor any agency of the United States Government.

Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0266 Approved Env. Lab)

PLM Point Count-1

PRECISION ANALYSIS, INC.

BULK SAMPLE ANALYSIS

Client: Ecosafe, Inc.
Location: USCG - #1 Iron St.
Project: 8237

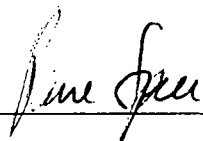
Date Received: 01-03-03

Date Reported: 01-03-03

Technique: Polarized Light Microscopy with Dispersion Staining
In accordance with EPA/600/R-93/116 Test Method

Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
73793	7701B	10-15% Chrysotile	Antigorite	Aggregate, Vinyl, Binders
		None Detected in mastic		Black tar binders

* The upper detection limit is 100 percent.
The lower detection limit is less than 1 percent.



Paul Spell
Laboratory Director

AIHA Bulk Asbestos Proficiency Analytical Testing Program ID # 101228
In Association with RTI Center for Measurements and Quality Assurance

Precision Analysis assumes no responsibility for financial or health consequences for action or lack of action taken by our clients or their agents as a result of these analytical reports. Since Precision Analysis was not involved in the collection of these samples, we cannot attest to the proper collection of said samples and therefore are neither responsible nor liable for the accuracy, validity or completeness of the sample collection.

Appendix D

Final clearance Sample Results

(314) 961-5695
FAA (314) 961-5723

December 17, 2002

Mr. Jerry D. Gaccetta
Montgomery Watson Harza
1100 Johnson Ferry Road, Suite 460
Atlanta, GA 30342

RE: USCG OLD BASE - ST. LOUIS, MISSOURI

Dear Mr. Gaccetta:

Pursuant to their notification dated 10/18/02, Envirotech, Inc. performed an asbestos abatement project at the old US Coast Guard base located at #1 Iron Street, St. Louis, Missouri. Envirotech mobilized the site on 11/12/02 and Ecosafe performed third party air monitoring during this activity.

The project consisted of the removal of approximately 800 linear feet of ACM pipe insulation and 20 square feet of duct wrap. The glovebag/wrap & cut method was utilized for removal of pipe insulation and duct wrap was removed utilizing the dismantling method. Envirotech also removed non-friable VAT/mastic and exterior and interior transite utilizing the dismantling method. Ecosafe performed perimeter and barrier air monitoring throughout the course of this project from 11/12/02 through 12/6/02. Ecosafe also conducted a negative exposure assessment on Envirotech personnel from 11/12/02 through 11/19/02 pursuant to our report dated 11/21/02.

During the course of the asbestos abatement, 52 samples were taken both inside and outside the work area. In general, the results of these samples were all ten times below the OSHA PEL of 0.1 fibers/cc. The project was therefore completed on 12/7/02 in accordance with the specifications.

Air sampling results are attached for your reference. Analysis was performed utilizing the PCM NIOSH 7400 method by an Ecosafe AIHA/AAR rated analyst. A copy of the results has been sent to Envirotech for their closeout report.

Thank you for your attention to this matter. If we can be of any further service, please do not hesitate to contact me.

Sincerely,



David L. Schau
Certified Industrial Hygienist

DLS/db
enclosures

cc: Thomas Tinics, MWH

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

[illegible]

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

[illegible]

Ecosai, Inc.

8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name: U.S. Coast Guard				Client: MWH						Date of Collection: 11/14/02					
Comments: #1 Iron Street - Removal of VAT/mastic in Rooms 12 & 16										Lab. Number:					
										Project Number: 8237					
Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
9	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
10	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
11	IWA	East end of hallway	GR	7:30	17:30	600	5	5	5	3000	23	100	29.2994	0.00090	0.0038
12	IWA	West end of hallway	GR	7:30	17:30	600	5	5	5	3000	11	100	14.0127	0.00090	0.0018

Key to Abbreviations:
SAMPLE TYPE: P=personal; IWA=inside work area; OWA=outside work area; BG=background;
FC=final clearance; EX=excursion; ENV=neg air exhaust

ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep;
C/W=cut & wrap P/R=patch & repair; DISM=dismantling

Analyst Name David L. Schau, CIH - AAR Analyst #3518

Analyst Signature David L. Schau Date 11/14/02

Ecosai, Inc.

8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name: US Coast Guard	Client: MWH	Date of Collection: 11/15/02
Comments: #1 Iron Street - Main hallway		Lab. Number:
		Project Number: 8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
13	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
14	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
15	IWA	East end of hallway	GR	7:30	17:30	600	2	2	2	1200	3	100	3.8217	0.00225	0.0012
16	IWA	West end of hallway	GR	7:30	17:30	600	2	2	2	1200	2	100	2.5478	0.00225	0.0008

Key to Abbreviations:

SAMPLE TYPE: P=personal; IWA=inside work area; OWA=outside work area; BG=background;
FC=final clearance; EX=excursion; ENV=neg air exhaust

ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep;
C/W=cut & wrap P/R=patch & repair; DISM=dismantling

Analyst Name David L. Schau, CIH - AAR Analyst #3518

Analyst Signature David L. Schau **Date** 11/15/02

St. Louis, Missouri 63144

[illegible]

St. Louis, Missouri 63144[illegible]

St. Louis, Missouri 63144

[illegible]

Ecosaf Inc.

8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name:	US Coast Guard	Client:	MWH	Date of Collection:	11/21/02
Comments:	#1 Iron Street			Lab. Number:	
				Project Number:	8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
29	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
30	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
31	IWA	Inside work area SE end of building	DISM	7:30	15:30	480	2	2	2	960	15	100	19.1083	0.00281	0.0077
32	OWA	Outside work area SE end of building	DISM	7:30	15:30	480	2	2	2	960	----- cassette damaged -----				

Key to Abbreviations:

SAMPLE TYPE: P=personal; IWA=inside work area; OWA=outside work area; BG=background;
FC=final clearance; EX=excursion; ENV=neg air exhaust

ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep;
C/W=cut & wrap P/R=patch & repair; DISM=dismantling

Analyst Name David L. Schau, CIH - AAR Analyst #3518

Analyst Signature David L. Schau Date 11/21/02

Ecosai, Inc.

8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name:	US Coast Guard	Client:	MWH	Date of Collection:	11/25/02
Comments:	#1 Iron Street			Lab. Number:	
				Project Number:	8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
33	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
34	FIELD BLANK	—	—	—	—	—	—	—	—	—	0	100	0.0000	—	—
35	IWA	Inside work area SE end of building	DISM	7:30	15:30	480	2	2	2	960	14	100	17.8344	0.00281	0.0072
36	OWA	Outside work area SE end of building	DISM	7:30	15:30	480	2	2	2	960	12	100	15.2866	0.00281	0.0061

Key to Abbreviations:

SAMPLE TYPE:	P=personal; IWA=inside work area; OWA=outside work area; BG=background; FC=final clearance; EX=excursion; ENV=neg air exhaust	ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep; C/W=cut & wrap P/R=patch & repair; DISM=dismantling
--------------	--	---

Analyst Name	David L. Schau, CIH - AAR Analyst #3518
Analyst Signature	<u>David L. Schau</u> Date <u>11/25/02</u>

Ecosai, Inc.

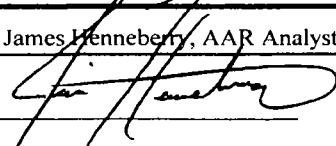
8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name: US Coast Guard	Client: MWH, Inc.	Date of Collection: 11/26/02
Comments: #1 Iron Street		Lab. Number:
		Project Number: 8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
37	FIELD BLANK	_____	_____	_____	_____	_____	_____	_____	_____	_____	0	100	0.0000	_____	_____
38	FIELD BLANK	_____	_____	_____	_____	_____	_____	_____	_____	_____	0	100	0.0000	_____	_____
39	IWA	West end of building	DISM	7:30	15:30	480	2	2	2	960	10	100	12.7389	0.00281	0.0051
40	OWA	West end of building	DISM	7:30	15:30	480	2	2	2	960	4	100	5.0955	0.00281	0.0020

Key to Abbreviations:	
SAMPLE TYPE: P=personal; IWA=inside work area; OWA=outside work area; BG=background; FC=final clearance; EX=excursion; ENV=neg air exhaust	ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep; C/W=cut & wrap P/R=patch & repair; DISM=dismantling
Analyst Name	James Henneberry, AAR Analyst #7504
Analyst Signature	 Date 11/26/02

Ecosai, Inc.

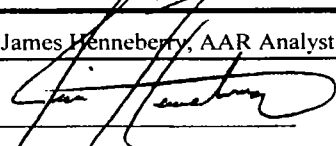
8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name: US Coast Guard	Client: MWH, Inc.	Date of Collection: 11/27/02
Comments: #1 Iron Street		Lab. Number:
		Project Number: 8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
41	FIELD BLANK	_____	_____	—	—	—	—	—	—	—	0	100	0.0000	—	—
42	FIELD BLANK	_____	_____	—	—	—	—	—	—	—	0	100	0.0000	—	—
43	IWA	East end of building	DISM	7:30	15:30	480	2	2	2	960	8	100	10.1911	0.00281	0.0041
44	OWA	West end of building	DISM	7:30	15:30	480	2	2	2	960	6	100	7.6433	0.00281	0.0031

Key to Abbreviations:	
SAMPLE TYPE: P=personal; IWA=inside work area; OWA=outside work area; BG=background; FC=final clearance; EX=excursion; ENV=neg air exhaust	ACTIVITY: GR=gross removal; GB=glovebag; LO=load out; PREP=work site prep; C/W=cut & wrap P/R=patch & repair; DISM=dismantling
Analyst Name James Henneberry, AAR Analyst #7504	
Analyst Signature 	Date 11/27/02

Ecosai, Inc.

8224 Manchester Road

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

Project Name: US Coast Guard	Client: MWH, Inc.	Date of Collection: 12/2/02
Comments: #1 Iron Street		Lab. Number:
		Project Number: 8237

Sample #	Sample Description			Time			Flow Rate (L/Min)			Air Volume (Liters)	Fiber Count	Field Count	Fibers/mm ²	LLD	Fibers/cc
	Type	Location	Activity	Start	Stop	Total Minutes	Initial	Final	Average						
45	FIELD BLANK	_____	_____	—	—	—	—	—	—	—	0	100	0.0000	—	—
46	FIELD BLANK	_____	_____	—	—	—	—	—	—	—	0	100	0.0000	—	—
47	IWA	South end of building	DISM	7:30	15:30	480	2	2	2	960	3	100	3.8217	0.00281	0.0015
48	OWA	South end of building	DISM	7:30	15:30	480	2	2	2	960	8.5	100	10.8280	0.00281	0.0043

Key to Abbreviations:	
SAMPLE TYPE: P=personal, IWA=inside work area, OWA=outside work area, BG=background; FC=final clearance, EX=excursion, ENV=neg air exhaust	ACTIVITY: GR=gross removal, GB=glovebag, LO=load out, PREP=work site prep; C/W=cut & wrap P/R=patch & repair, DISM=dismantling
Analyst Name	James Henneberry, AAR Analyst #7504
Analyst Signature	Date 12/2/02

St. Louis, Missouri 63144[illegible]

St. Louis, Missouri 63144

[illegible]

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

[illegible]

St. Louis, Missouri 63144

PCM Air Sample Data Sheet

[illegible]

St. Louis, Missouri 63144[illegible]

Appendix E

Demolition Approval Letter



1000 West 80th St. • St. Louis, MO 63114

(314) 961-5695
FAX (314) 961-5723

January 7, 2003

Mr. Jerry D. Gaccetta
Montgomery Watson Harza
1100 Johnson Ferry Road
Suite 460
Atlanta, GA 30342

RE: USCG OLD BASE – ST. LOUIS, MISSOURI

Dear Mr. Gaccetta:

Pursuant to their notification dated 10/18/02, Envirotech, Inc. completed an asbestos abatement project at the old US Coast Guard base located at #1 Iron Street, St. Louis, Missouri on 12/7/02. Ecosafe, Inc. has conducted an inspection of the facility and all friable and regulated asbestos-containing materials have been removed from the facility.

Category I, non-friable ACM window caulking was identified by Ecosafe on December 9th and subsequently confirmed as ACM by the point count method on December 11th. The windows will be removed whole during the demolition process and segregated from the remainder of the building to be disposed of as construction and demolition debris. Otherwise, there are no asbestos-containing materials remaining in the building.

The inspection was conducted by David L. Schau, a Missouri licensed AHERA asbestos inspector, license number 7017031302MOIR2426, expiration 3/13/03.

Thank you for your attention to this matter. If there are any questions, please do not hesitate to contact me.

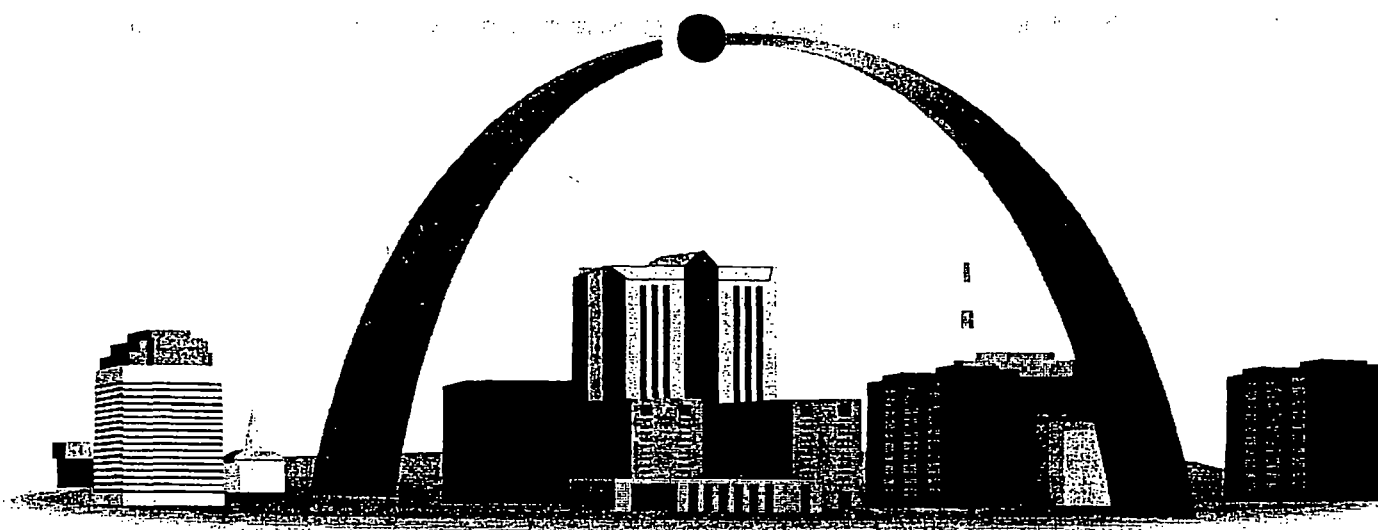
Sincerely,

A handwritten signature in cursive script that reads "David L. Schau".

David L. Schau
Certified Industrial Hygienist

DLS/db

cc: T. Tinics, MWH
R. Kent, Ahrens Contracting



City of St. Louis Air Pollution Control Permit for Asbestos Related Occupations

David L. Schau

Is certified as an **Asbestos Inspector** for operation in the City of St. Louis, Missouri,
per City Ordinance 65442. This Permit is valid only with a current
Missouri State Certificate for Asbestos Related Occupations.

A handwritten signature in black ink, appearing to read "Timothy J. Dee, Ph.D.", written over a horizontal line.

Timothy J. Dee, Ph.D.
Commissioner of Air Pollution Control

U.S. Department
of TransportationUnited States
Coast GuardISC St. Louis
United States Coast Guard1222 Spruce Street
St. Louis, MO 63103-2832
Staff Symbol: (CO)
Phone: 314-539-3000
FAX: 314-539-780411000
5 Dec 02City of St. Louis
Permit Division
1200 Market Street
St. Louis, MO 63103Re: United States Coast Guard Old Base
Iron Street
St. Louis, MO.

To Whom It May Concern:

The United States Coast Guard (U.S.C.G.) hereby authorizes demolition of the above-referenced facility. Ahrens Contracting, Inc. of East St. Louis, IL. will perform the demolition services under a subcontract agreement authorized by our prime agent, Montgomery Watson Harza, Inc. This work will be performed for a fee of \$52,000.00.

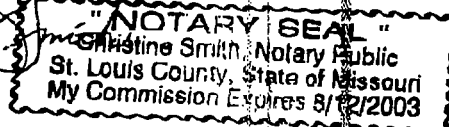
If you have any questions, please contact Ms. Li-Tai Bilbao, Civil Engineering Unit, Miami, 305-278-6719.

Sincerely,

K. E. SCHUMACHER
Captain, U. S. Coast Guard
Commanding Officer
Integrated Support CommandState of Mo, County of St. Louis, ss.On this the 5th day of December, 2002, before me.

Christine Smith, the undersigned officer, personally appeared CAPT Kevin E. Schumacher, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.



RightFax

12/13/2002 8:57

USCG ISC STL

PAGE 2/2 RightFax

003/003

facsimile transmittal

AmerenUE
One Ameren Plaza
1901 Chouteau Avenue
PO Box 66149
St. Louis, MO 63166-6149

To: Shirley Cline	Fax: (314)539-2646
Re: Demolition	
From: AmerenUE	Date: December 13, 2002
RE: Removals	From: Tara Marts

This is to advise you that our electric facilities have been removed from the address listed below.
If there are any questions, please feel free to contact me at (314)554-2423.

LOCATION	DATE REMOVED
110 E IRON SAINT LOUIS MO 63118	12-10-02

Appendix F

PCB Transformer Serial Numbers, Waste Analytical Results, and Manifests

Transformer Oil Sampling
U.S. Coast Guard Base
St. Louis, Missouri
March 14, 2003

Transformer #1

Manufacturer: Westinghouse
Serial # 61AD3011
25 kva
Chlor-N-Oil - <50 ppm PCB

Transformer #2

Manufacturer: Westinghouse
Serial # 61AD3007
25 kva
Chlor-N-Oil - <50 ppm PCB

Transformer #3

Manufacturer: Westinghouse
Serial # 61AD3015
25 kva
Chlor-N-Oil - <50 ppm PCB



te 3, Box 65
Highway 169 North
Coffeyville, KS 67337
620.251.6380
800.248.0442
Fax 620.251.2822

March 12, 2003

To: RICHARD ELLIS
US COAST GUARD
I-55 TO END OF IRON STREET
ST. LOUIS, MO 63124-

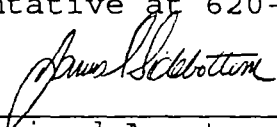
From: Clean Harbors PPM. LLC

RE: US COAST GUARD
Clean Harbors Document No. SM36U

Enclosed is your copy of the hazardous waste manifest, which indicates that your waste material has been received and accepted by Clean Harbors.

You will receive a Certificate of Disposal when treatment and disposal of your manifested waste is complete.

We appreciate your business. If you have any questions, please contact your Facility Service Representative at 620-252-1304.



Authorized Agent

Enclosures



DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEMTREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	----------------------------	---

Print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <u>40CFRPA RT 761 03140</u>		Manifest Document No. <u>03140</u>		2. Page <u>1</u> of <u>2</u>		Information in the shaded areas is required by State law.					
3. Generator's Name and Mailing Address <u>US Coast Guard</u> <u>I-55 to end of Iron Street</u> <u>St. Louis, MO</u>						A. Missouri Manifest Document Number <u>03140</u>							
4. Generator's Phone (<u>601-441-0866</u>) <u>Richard Ellis</u>						B. G.S.I. (Gen. Site Address)							
5. Transporter 1 Company Name <u>Clean Harbors Environ. Svc. Inc.</u>						6. US EPA ID Number <u>MA D 039322250</u>							
7. Transporter 2 Company Name						8. US EPA ID Number							
9. Designated Facility Name and Site Address <u>Clean Harbors PPM, LLC</u> <u>mRt. 3, Box 65, Hwy 169 North</u> <u>Coffeyville, KS 67337</u>						10. US EPA ID Number <u>K S D 981506025</u>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)) <u>Non-DOT Regulated <1 lb. PCB's</u>						12. Containers Number Type <u>003</u> <u>CM</u>		13. Total Quantity <u>00340</u>		14. Unit W/Vol. <u>K</u>		I. Waste No. <u>03140</u>	
a.						EPA WASTE CODE <u>623K</u>		STATE <u>MO</u>		03140		2	
b.						EPA WASTE CODE		STATE					
c.						EPA WASTE CODE		STATE					
d.						EPA WASTE CODE		STATE					
J. Additional Descriptions for Materials Listed Above						K. HANDLING CODE (FACILITY USE ONLY)							
a. <u>Transformer Filled <500</u>						a. <u>505</u>		b. <u>TO 4</u>		c. <u>Recovery</u>			
b.						b.							
c.						c.							
d.						d.							
15. Special Handling Instructions and Additional Information <u>"PCB MANIFEST" WO# 125506</u> <u>See attached continuation sheets for unique ID#s, weights, and dates removed from service</u> <u>for Disposal. 24 Hour Emergency Contact: 1-800-645-8265</u>						A-DNR SM364							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.													
Printed/Typed Name <u>Richard Ellis</u>						Signature <u>[Signature]</u>				Month Day Year <u>0311103</u>			
17. Transporter 1 Acknowledgement of Receipt of Materials										Date			
Printed/Typed Name <u>M. E. F. H.</u>						Signature <u>[Signature]</u>				Month Day Year <u>0311103</u>			
18. Transporter 2 Acknowledgement of Receipt of Materials										Date			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space <u>Discrepancies Reported to Richard Ellis 3-12-03</u> <u>11A) weight discrepancy 623K.</u>													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										Date			
Printed/Typed Name <u>Vickie L. Goodwin</u>						Signature <u>[Signature]</u>				Month Day Year <u>0312103</u>			

PCB MANIFEST

MUST ACCORD WITH

COMPANY NAME

U.S. Coast Guard

PAGE

3

OF

2

MANIFEST DOCUMENT #

03140

DATE _____

3-11-03

[illegible]

Client Info: Singley Construction Co
P.O. Box 389
Columbia, MS 39429
Attn: Richard Ellis

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

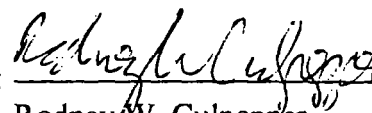
Sample ID: MS05385
Sample Description: W-61AD3011
Sample Collection Date: 03/11/03
Lab Submittal Date: 03/14/03

Location Code: SINGLEY
Sample Collector: ELLIS
Sample Collection Time: 10:05
Lab Submittal Time: 16:00

Analyte	Method	Result	MDL	Units	Date	Time	Analyst
PCB	D-4059/8082	See Attached	--	--	03/18/03	20:43	DEC

If you have any questions regarding these analyses or procedures, please contact:

Reviewed By:


Rodney W. Culpepper
Laboratory Manager

PCB - GC/ECD Analytical Data

Client: Singley Construction

Lab Sample Number: MS05385

Date/Time Collected: 03/11/03 10:05

PCB Analysis: 03/018/03 20:43

Sample Matrix: Oil

Sample Location: W-61AD3011

Component Name	Sample Results ug/Kg (ppb)	Component MDL ug/Kg (ppb)
Aroclor 1016	ND	1.00
Aroclor 1221	ND	1.00
Aroclor 1232	ND	1.00
Aroclor 1242	ND	1.00
Aroclor 1248	ND	1.00
Aroclor 1254	ND	1.00
Aroclor 1260	ND	1.00

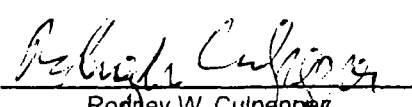
Surrogate Recovery

Surrogate Compound	Recovery (%)	QA / QC
Decachlorobiphenyl	92.8	

Matrix Spike/Matrix Spike Duplicate Recovery

Matrix Spike Compound	MS (%)	MSD (%)	RPD (%)	QA / QC
Aroclor 1016	89.5	91.9	2.6	
Aroclor 1260	92.2	93.9	1.8	

All Data Validated by:


Rodney W. Culpepper
Laboratory Manager

Method Reference: D-4059/SW846-8082

MDL - Method Detection Limit

ND - Not Detected

39 King Road, Suite 1
Hattiesburg, MS 39402

phone: (601)264-5184

fax: (601)268-2030

Client Info: Singley Construction Co
P.O. Box 389
Columbia, MS 39429
Attn: Richard Ellis

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

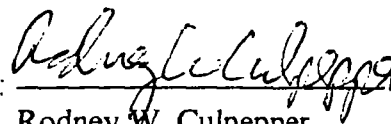
Sample ID: MS05386
Sample Description: W-61AD3007
Sample Collection Date: 03/11/03
Lab Submittal Date: 03/14/03

Location Code: SINGLEY
Sample Collector: ELLIS
Sample Collection Time: 10:20
Lab Submittal Time: 16:00

Analyte	Method	Result	MDL	Units	Date	Time	Analyst
PCB	D-4059/8082	See Attached	--	--	03/18/03	21:22	DEC

If you have any questions regarding these analyses or procedures, please contact:

Reviewed By:


Rodney W. Culpepper
Laboratory Manager

PCB - GC/ECD Analytical Data

Client: Singley Construction

Lab Sample Number: MS05386

Date/Time Collected: 03/11/03 10:20

PCB Analysis: 03/018/03 21:22

Sample Matrix: Oil

Sample Location: W-61AD3007

Component Name	Sample Results ug/Kg (ppb)	Component MDL ug/Kg (ppb)
Aroclor 1016	ND	1.00
Aroclor 1221	ND	1.00
Aroclor 1232	ND	1.00
Aroclor 1242	ND	1.00
Aroclor 1248	ND	1.00
Aroclor 1254	ND	1.00
Aroclor 1260	ND	1.00

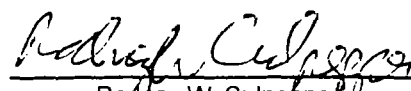
Surrogate Recovery

Surrogate Compound	Recovery (%)	QA/QC
Decachlorobiphenyl	92.0	

Matrix Spike/Matrix Spike Duplicate Recovery

Matrix Spike Compound	MS (%)	MSD (%)	RPD (%)	QA/QC
Aroclor 1016	89.5	91.9	2.6	
Aroclor 1260	92.2	93.9	1.8	

All Data Validated by:


Rodney W. Culpepper
Laboratory Manager

Method Reference: D-4059/SW846-8082

MDL - Method Detection Limit

ND - Not Detected

Client Info: Singley Construction Co
P.O. Box 389
Columbia, MS 39429
Attn: Richard Ellis

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

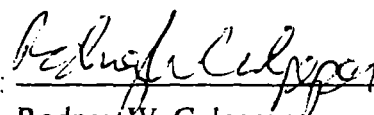
Sample ID: MS05387
Sample Description: W-61AD3015
Sample Collection Date: 03/11/03
Lab Submittal Date: 03/14/03

Location Code: SINGLEY
Sample Collector: ELLIS
Sample Collection Time: 10:35
Lab Submittal Time: 16:00

Analyte	Method	Result	MDL	Units	Date	Time	Analyst
PCB	D-4059/8082	See Attached	--	--	03/18/03	22:01	DEC

If you have any questions regarding these analyses or procedures, please contact:

Reviewed By:


Rodney W. Culpepper
Laboratory Manager

PCB - GC/ECD Analytical Data

Client: Singley Construction

Lab Sample Number: MS05387

Date/Time Collected: 03/11/03 10:35

PCB Analysis: 03/018/03 22:01

Sample Matrix: Oil

Sample Location: W-61AD3015

Component Name	Sample Results ug/Kg (ppb)	Component MDL ug/Kg (ppb)
Aroclor 1016	ND	1.00
Aroclor 1221	ND	1.00
Aroclor 1232	ND	1.00
Aroclor 1242	ND	1.00
Aroclor 1248	ND	1.00
Aroclor 1254	ND	1.00
Aroclor 1260	ND	1.00

Surrogate Recovery

Surrogate Compound	Recovery (%)	QA / QC
Decachlorobiphenyl	97.2	

Matrix Spike/Matrix Spike Duplicate Recovery

Matrix Spike Compound	MS (%)	MSD (%)	RPD (%)	QA / QC
Aroclor 1016	89.5	91.9	2.6	
Aroclor 1260	92.2	93.9	1.8	

All Data Validated by:

Rodney W. Culpepper
Laboratory Manager

Method Reference: D-4059/SW846-8082

MDL - Method Detection Limit

ND - Not Detected

39 King Road, Suite 1
Hattiesburg, MS 39402phone: (601)264-5184
fax: (601)268-2030



CHAIN OF CUSTODY RECORD

page 7 of 1

Analysis Requested

SAMPLE COLLECTOR: Richard Ellis

PCB in oil

LABORATORY

IDENTIFICATION CODE

#	DATE	TIME	SAMPLE ID	# Cont.	Matrix	Pres
1	3/11/03	1005	W- BOTM G/AD3011	1	0.1	X
2	3/11/03	1020	W- 3 G/AD3007	1	0.1	X
3	3/11/03	1035	W- G/AD3015	1	0.1	X
4						
5						
6						
7						
8						
9						
10						

RELINQUISHED BY: (SIGNATURE)

DATE _____

TIME

RECEIVED BY: (SIGNATURE)

DATE _____

TIME

RELINQUISHED BY: (SIGNATURE)

DATE _____

TIME

RECEIVED BY: (SIGNATURE)

DATE _____

TIME

COMMENTS:



DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

Hazardous Waste Program

P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEMTREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	----------------------------	---

a print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO10CERB1A1B1T17161101311410		Manifest Document No.		2. Page of		Information in the shaded areas is required by State law.			
3. Generator's Name and Mailing Address US Coast Guard I-55 to end of Iron Street St. Louis, MO				A. Missouri Manifest Document Number 11338 7312126							
4. Generator's Phone (601-441-0866) Richard Ellis				B. G.S.I. (Gen. Site Address)							
5. Transporter 1 Company Name Clean Harbors Environ. Svc. Inc.				6. US EPA ID Number MO10D1013191312121510		C. MO. Trans. ID 81338 7312126					
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (781) 840-1800					
9. Designated Facility Name and Site Address Clean Harbors PPM, LLC Rt. 3, Box 65, Hwy 160 North Coffeyville, MO 67337				10. US EPA ID Number KSD09H15050215		E. MO. Trans. ID					
						F. Transporter's Phone					
						G. State Facility's ID					
						H. Facility's Phone (620) 251-6390					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))				12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol.		I. Waste No.	
a. Non-DOT Regulated <1 lb. PCB's				1		1		1		EPA WASTE CODE STATE MO 01 01 2	
b.										EPA WASTE CODE STATE	
c.										EPA WASTE CODE STATE	
d.										EPA WASTE CODE STATE	
J. Additional Descriptions for Materials Listed Above				K. HANDLING CODE (FACILITY USE ONLY) INTERIM FINAL COMMENTS							
a. Transformer Filled <500				a.							
b.				b.							
c.				c.							
d.				d.							
15. Special Handling Instructions and Additional Information "PCB MANIFEST" MO# 125506 See attached continuation sheets for unique IDs, weights, and dates removed from service for Disposal. 24 Hour Emergency Contact: 1-800-645-8265											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.											
Printed/Typed Name				Signature				Month Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature			
								Date Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature			
								Date Month Day Year			
19. Discrepancy Indication Space											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name				Signature			
								Date Month Day Year			

GENERATOR COPY - PART 6
IMPORTANT
SEE INSTRUCTIONS SHOULD PART 1 & 2 FAIL TO RETURN

CLEAN HARBORS PPM, LLC

DETAIL REPORT

PAGE NO. 1

GENERATOR
US COAST GUARD
1-55 TO END OF IRON STREET

CORRESPONDENT
SINGLEY CONSTRUCTION
P.O. BOX 329

WORKORDER # 125506
APT DOC # SM36U
CUST MANIFEST:

ST. LOUIS MO 63124-
EPA # 40CFRPART761
PHONE: 6014410866
RICHARD ELLIS
GCODE: 30378

COLUMBIA MS 39429-
PHONE: 6017366393
RICHARD ELLIS
C CODE: 30377

STATE MANIFEST:
DATE OF REPORT: 03/12/2003
SALESMAN:
HOLD BACK. 0%

#	PROD	CNT DESCRIPTION	SERIAL/DRUM #	WT/LBS	SHIPMAN	ARRIVAL	OUT/SRVC	DESTROYD	CDSENT	DISPOSAL FACILITY
1	POCHI	1 FULL TRANSFORMER	3665215 61AD3015	450		03/12/2003	03/11/2003	/ /	/ /	
2	POCHI	1 FULL TRANSFORMER	3665216 61AD3007	460		03/12/2003	03/11/2003	/ /	/ /	
3	POCHI	1 FULL TRANSFORMER	3665217 61AD3011	460		03/12/2003	03/11/2003	/ /	/ /	

1370

Mar 14 03 02:31P

Safety-Kleen (PPM) KS.

620-251-2822

P.2

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 178 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-ORIGINATED SHIPMENTS
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

EMERGENCY
RESPONSE

U.S. COAST GUARD
1-800-424-8802

U.S. COAST GUARD
1-800-424-8802

U.S. COAST GUARD
1-800-424-8802

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2020-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 40CERPA RT 761031140		Manifest Document No. 1031140		2. Page 2		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address US Coast Guard I-55 to end of Iron Street St. Louis, MO		4. Generator's Phone 601-441-0866		5. Transporter 1 Company Name Clean Harbors Environ. Svc. Inc.		6. US EPA ID Number MAD039322250			
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address Clean Harbors PPM, LLC Rt. 3, Box 65, Hwy 169 North Coffeyville, KS 67337		10. US EPA ID Number KSD981506025			
11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))		12. Containers		13. Total Quantity		14. Unit WWVol.			
a. Non-DOT Regulated <1 lb. PCB's		Number 603 Type C M		EST 623K		623K			
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information "PCB MANIFEST" WO# 125506 A DNT SM360 See attached continuation sheets for unique ID's, weights, and dates removed from service for Disposal. 24 Hour Emergency Contact: 1-800-845-8265									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.									
Printed/Typed Name RICHARD ELLIS		Signature <i>[Signature]</i>		Month 10		Day 31		Year 1993	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name M. G. F. H.		Signature <i>[Signature]</i>		Month 10		Day 31	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month		Day	
19. Discrepancy Indication Space Discrepancies Reported to Richard Ellis 3-12-93 11A) weight discrepancy 623K.									
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name Vickie L. Goodwin		Signature <i>[Signature]</i>		Month 10		Day 22	

EPA FORM 8700-22 (REV. 1-89) MDNR-FWG 10

PREVIOUS EDITIONS ARE OBSOLETE



CONTAINS 50% RECYCLED PAPER WHICH INCLUDES NOT LESS THAN 20% POST CONSUMER WASTE

GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSD.

CLIENT INFORMATION

COMPANY: Singletary Environmental Resources, Inc.
 ADDRESS: PO Box 389
Columbus, MS 39429
 CONTACT: Richard Ellis
 PHONE: 601 736 6393 FAX: 601 736 7310
 PROJECT: MWH - Old Coast Guard Base St Louis
 SAMPLE COLLECTOR: Richard Ellis

Analysis Requested

per in C.D.

LABORATORY
IDENTIFICATION CODE

#	DATE	TIME	SAMPLE ID	# Cont.	Matrix	Pres										
1	3/1/03	1005	W-3011 61AD3011	1	0.1		✓									
2	3/1/03	1120	W-361AD3007	1	0.1		✓									
3	3/1/03	1035	W-61AD3015	1	0.1		✓									
4																
5																
6																
7																
8																
9																
10																
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME					
<i>[Signature]</i>				3/1/03	1005	<i>[Signature]</i>										
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME					

COMMENTS:

03/25/03 TUE 18:09 FAX

TEKLAB, INC.5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

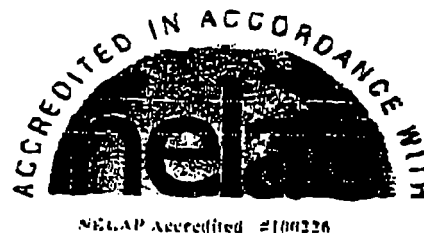
ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1009

March 05, 2003

Bill Pietroburgo
Professional Environmental Engineers, Inc.
500 S. Ewing Suite E
St. Louis, MO 63103
TEL: (314) 531-0060
FAX: (314) 531-0068



RE: 6814.1

OrderNo. 0302447

Dear Bill Pietroburgo:

TEKLAB, INC received 1 sample on 2/21/03 8:45:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP/Part 186 except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Director of Operations

TUE 18:10 FAX

TEKLAB, INC.3443 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Professional Environmental Engineers, Inc.
 Project: 6814.1
 LabOrder: 0302447
 Report Date: March 05, 2003

CASE NARRATIVE

The samples were out of temperature compliance upon receipt.

Qualifiers

DF - Dilution Factor
 RL - Reporting Limit
 ND - Not Detected at the Reporting Limit
 Surr - Surrogate Standard added by lab
 INTC - Too numerous to count
 IDPH - Illinois Department of Public Health

B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 S - Spike Recovery outside accepted recovery limits
 • - Value exceeds Maximum Contaminant Level
 NELAP - IL ELAP and NELAP Accredited Field of Testing

E - Value above quantitation range
 H - Holding time exceeded
 D - Diluted out of sample
 MI - Matrix interference
 DNI - Did Not Ignite

03/25/03 TUE 18:10 FAX

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Professional Environmental Engineers, Inc.
 WorkOrder: 0302447
 Lab ID: 0302447-01
 Report Date: 05-Mar-03

Client Project: 6814.1
 Client Sample ID: 6814-WC
 Collection Date: 2/21/03 8:00:00 AM
 Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM METHOD D92								
Ignitability, Open Cup		60		> 200	°F	1	2/27/03	SMR
SW-846 1311 TCLP / 3010A ICP METHOD 6010B								
Arsenic	NELAP	0.025		0.082	mg/L	1	3/3/03 10:16:00 AM	SAM
Barium	NELAP	0.005		0.458	mg/L	1	2/28/03 8:15:00 AM	SAM
Cadmium	NELAP	0.002		0.007	mg/L	1	2/28/03 6:15:00 AM	SAM
Chromium	NELAP	0.010	J	< 0.010	mg/L	1	3/3/03 10:16:00 AM	SAM
Lead	NELAP	0.040		< 0.040	mg/L	1	2/28/03 6:15:00 AM	SAM
Selenium	NELAP	0.050		< 0.050	mg/L	1	2/28/03 6:15:00 AM	SAM
Silver	NELAP	0.010		< 0.010	mg/L	1	3/2/03 10:16:00 AM	SAM
SW-846 3550B, METHOD 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1018	NELAP	37.9		ND	µg/Kg	1	2/26/03	HLS
Aroclor 1221	NELAP	37.9		ND	µg/Kg	1	2/26/03	HLS
Aroclor 1232	NELAP	37.9		ND	µg/Kg	1	2/26/03	HLS
Aroclor 1242	NELAP	37.9		ND	µg/Kg	1	2/26/03	HLS
Aroclor 1248	NELAP	37.9		ND	µg/Kg	1	2/28/03	HLS
Aroclor 1254	NELAP	37.9		238	µg/Kg	1	2/27/03	HLS
Aroclor 1260	NELAP	37.9	J	ND	µg/Kg	1	2/26/03	HLS
Sum: Decachlorobiphenyl		22-210		121	%REC	1	2/26/03	HLS
Sum: Tetrachloro-meta-xylene		10-153		75.0	%REC	1	2/26/03	HLS
SW-846 METHOD 1311, 7470A TCLP								
Mercury		0.0002		< 0.0002	mg/L	1	2/26/03	JMW
SW-846 METHOD 9010/9014								
Cyanide	NELAP	0.50	J	< 0.50	mg/kg	1	3/4/03 10:30:00 AM	ADH
SW-846 METHOD 9023, ORGANIC HALOGENS								
Extractable Organic Halogens (EOX)	NELAP	25.0		< 25.0	mg/Kg	1	2/28/03	HE
SW-846 METHOD 9034, REACTIVE								
Sulfide, Reactive	NELAP	4.9		13.4	mg/Kg	1	3/5/03	ADH
SW-846 METHOD 9045C								
DM (1:1)	NELAP	1.00		9.29		1	2/21/03 10:35:00 AM	DMW
SW-846 METHOD 9065								
Phenols	NELAP	0.100		1.73	mg/Kg	1	2/28/03	NNH
SW-846 METHOD 9095								
Paint Filter		0		Pass	Pass/Fail	1	2/21/03	DMW
SW-846 METHODS 1311 / 3510C / 8270C, SEMIVOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	0.040		ND	mg/L	1	2/25/03 8:28:00 PM	DMH

03/25/03 TUE 18:10 FAX

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Professional Environmental Engineers, Inc.

Client Project: 6814.1

WorkOrder: 0302447

Client Sample ID: 6814-WC

Lab ID: 0302447-01

Collection Date: 2/21/03 8:00:00 AM

Report Date: 05-Mar-03

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
2,4-Dinitrotoluene	NELAP	0.040		ND	mg/L	1	2/26/03 6:36:00 PM	DMH
Hexachlorobenzene	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Hexachlorobutadiene	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Hexachloroethane	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
m,p-Cresol	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Nitrobenzene	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
o-Cresol	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Pentachlorophenol	NELAP	0.160		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Pyridine	NELAP	0.080		ND	mg/L	1	2/25/03 6:38:00 PM	DMH
Cresols, Total	NELAP	0.040		ND	mg/L	1	2/25/03 6:36:00 PM	DMH
Sum: 2,4,6-Tribromophenol		44.5-121		98.8	%REC	1	2/25/03 6:36:00 PM	DMH
Sum: 2-Fluorobiphenyl		39.7-107		88.5	%REC	1	2/26/03 6:36:00 PM	DMH
Sum: 2-Fluorophenol		38.8-98.2		79.8	%REC	1	2/25/03 6:36:00 PM	DMH
Sum: Nitrobenzene-d5		37.7-114		98.5	%REC	1	2/25/03 6:38:00 PM	DMH
Sum: p-Terphenyl-d14		45-126		91.0	%REC	1	2/25/03 6:36:00 PM	DMH
Sum: Phenol-d5		27.7-107		80.2	%REC	1	2/26/03 6:36:00 PM	DMH
SW-846 METHODS 1311 / 5030 / 8260B. VOLATILES IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
1,2-Dichloroethane	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
1,4-Dichlorobenzene	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
2-Butanone	NELAP	2.50		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Benzene	NELAP	0.100		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Carbon tetrachloride	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Chlorobenzene	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Chloroform	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Tetrachloroethene	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Trichloroethene	NELAP	0.250		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Vinyl chloride	NELAP	0.100		ND	mg/L	50	2/26/03 1:44:00 AM	RLH
Sum: 1,2-Dichloroethane-d4		70-136		86.0	%REC	50	2/26/03 1:44:00 AM	RLH
Sum: 4-Bromofluorobenzene		72-126		96.4	%REC	50	2/26/03 1:44:00 AM	RLH
Sum: Dibromofluoromethane		67-138		98.8	%REC	50	2/26/03 1:44:00 AM	RLH
Sum: Toluene-d8		80-124		95.2	%REC	50	2/26/03 1:44:00 AM	RLH

P. 09/09

Are the samples chilled? ☒ NO ☐ YES (Ice or Blue Ice)
Cooler Temperature: 12.2 °C
Preserved in: ☐ Lab ☐ Field
Comments:
2 Bottles

Received Mar-27-03 11:15am From-
XAF 11:01 EDT 00/02/00
TOTAL P.09
Page 009
To-MWH Atlanta



GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility:

Roxana Land Fill
 an Allied Waste Company

Waste Profile #

I. Generator Information

Date:

Generator Name: <u>United States Coast Guard</u>			
Generator Site Address: <u>1002 Fern Street</u>			
City: <u>St. Louis</u>	County: <u>St. Louis</u>	State: <u>Missouri</u>	Zip: <u>63111</u>
Generator Site ID Number: <u>N/A</u>		SIC Code Number:	
Generator Mailing Address (if different):			
City:	County:	State:	Zip:
Generator Contact Name: <u>Bill Petroburg</u>			
Phone Number: <u>314-531-0060</u>		Fax Number: <u>314-531-0068</u>	

II. Transporter Information

Transporter Name: <u>D&S Disposal, Inc.</u>			
Transporter Address: <u>2626 Camp Jackson Road</u>			
City: <u>Calhoun</u>	County: <u>St. Clair</u>	State: <u>Illinois</u>	Zip: <u>62206</u>
Transporter Contact Name: <u>Driver - Sonya</u>			
Phone Number: <u>618-337-8185</u>		Fax Number: <u>618-337-0782</u>	
State Transportation Number:			

III. Waste Stream Information

Name of Waste: <u>PCB Contaminated Soil/Debris</u>	
Process Generating Waste: <u>PCB Spill / Cleanup</u>	
Type of Waste:	<input checked="" type="checkbox"/> INDUSTRIAL PROCESS WASTE or <input type="checkbox"/> POLLUTION CONTROL WASTE
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID <input type="checkbox"/> OTHER:
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:
Estimated Annual Volume:	<input checked="" type="checkbox"/> CUBIC YARDS: <input type="checkbox"/> TONS: <input type="checkbox"/> OTHER:
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> OTHER:
Special Handling Instructions:	

IV. Representative Sample Certification

Attachment

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?

☒ YES or ☐ NOSample Date: 2-21-03Type of Sample: ☒ COMPOSITE SAMPLE☐ GRAB SAMPLE

Sampler's Employer:

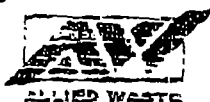
Professional Environmental Engineers

Sampler's Name (printed):

Bill Petroburg

Signature:

Bill Petroburg



GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Component:

% by Weight (range)

1. Concrete

70%

2. Soil

15%

3. Metal

15%

Color: Brown	Odor (describe): NONE	Free Liquids: <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO Content %	% Solids: 100	pH: 9.29	Flash Point: 7200°F	Phenol: 1.73 ppm
-----------------	--------------------------	--	------------------	-------------	------------------------	---------------------

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet)

Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlorpyrifos, Dieldrin, Heptachlor (and its epoxide), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-T? (EPA as defined in 40 CFR 261.33)	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.33?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Does this waste contain regulated concentrations of 1,1,1,2,2,2-Hexachloroethane (C ₂ Cl ₆), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Is this a regulated Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO
Is this waste generated in a Federal Superfund Clean Up Site?	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, infectious waste, or any other waste material this facility is prohibiting from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste Industries, Inc.

AUTHORIZED REPRESENTATIVE NAME AND TITLE (printed)

COMPANY NAME

AUTHORIZED REPRESENTATIVE SIGNATURE

DATE

VII. Allied Waste Decision

☐ Approved☐ Rejected

Expiration: _____

Conditions:

Name, Title

Signature

Date

S I M A L A B S

I N T E R N A T I O N A L

April 07, 2003

Tom Tinics
Montgomery Watson Constructors, Inc.
410 S. Colfax Street
Griffith, IN 46319

RE: ACS - AT Removed Transformer

Work Order No.: ME0304060

Dear Tom Tinics:

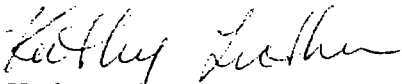
SIMALABS International received 1 sample on 4/2/2003 for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and original Chain of Custody form(s).

SIMALABS International of Merrillville, Indiana is an accredited laboratory under the requirements of the National Environmental Laboratory Accreditation Program (IL EPA lab #100435). All data included has been reviewed for and meets all project specific and Quality Control requirements of this accreditation, unless otherwise noted. This report shall not be reproduced except in full, without the written approval of SIMALABS International.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
SIMALABS International


Kathy Luther
Project Manager

Enclosures

S I M A L A B S

I N T E R N A T I O N A L

SIMALABS International

Date: 07-Apr-03

CLIENT: Montgomery Watson Constructors, Inc.

Project: ACS - AT Removed Transformer

Lab Order: ME0304060

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0304060-01A	S1	USCG7011063-PCB	3/28/2003 3:00:00 PM	4/2/2003

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Monday, April 07, 2003

Client:	Montgomery Watson Constructors, Inc.	Client Project:	ACS - AT Removed Transfor
		Work Order:	ME0304060
Client Sample ID:	S1	SIMALABS ID:	ME0304060-01A
Sample Description:	USCG7011063-PCB		
Sample Matrix:	Soil		
Collection Date:	03/28/03		
Date Received:	04/02/03		

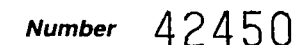
Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
----------	--------------	--------	--------------------	------	-------	----	-------------------------

PCB'S			Method: SW8082	Prep Date/Time: 4/3/2003 6:45:00 PM	Analyst: AS	
Aroclor 1016	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1221	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1232	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1242	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1248	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1254	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1260	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1262	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Aroclor 1268	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Total PCB's	A	ND	33	µg/Kg	1	4/4/2003 8:17:00 PM
Surr: Decachlorobiphenyl	S	65.1	5-222	%REC	1	4/4/2003 8:17:00 PM
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	4/4/2003 8:17:00 PM

Samp Type:	A - Analyte, S - Surrogate, I - Internal Standard T - Tentatively Identified Compound (TIC, concentration estimated)	DF - Dilution Factor
Qual:	ND - Not Detected at the Reporting Limit B - Detected in the associated Method Blank * - Exceeds Maximum Contaminant Level	S - Spike recovery outside recovery limits SD - Value diluted out R - RPD outside accepted recovery limits E - Value above quantitation range I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX 219.769.1664



Page 1 of 1

SIMALABS International

250 W. 84th Drive
Merrillville, IN 46410
(219) 769-8378

COOLER INSPECTION

Wednesday, April 02, 2003

Client Name MONT. WATSON-IL

Work Order Number ME0304060

Checklist completed by

Signature

Date

Carrier name SIMALABS

Date / Time Received:

4/2/2003

Received by

LT

Reviewed by

Initials

Date

After-Hour Arrival?

Yes ☐

No ☒

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody included sufficient client identification?

Yes ☒

No ☐

Chain of custody included sufficient sample collector information?

Yes ☒

No ☐

Chain of custody included a sample description?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Chain of custody identified the appropriate matrix?

Yes ☒

No ☐

Chain of custody included date of collection?

Yes ☒

No ☐

Chain of custody included time of collection?

Yes ☒

No ☐

Chain of custody identified the appropriate number of containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Chain of custody identified the appropriate preservatives?

Yes ☒

No ☐

Samples properly preserved?

Yes ☒

No ☐

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Samples received on ice?

Yes ☒

No ☐

Container/Temp Blank temperature

Temp: On Ice

VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:

Sample ID

Client Sample ID

Comments

ME0304060-01A

S1

Client representative contacted:

Date contacted:

Contacted by:

Regarding

Notes:



ite 3, Box 65
ghway 169 North
ffeyville, KS 67337
620.251.6380
800.248.0442
Fax 620.251.2822

May 16, 2003

To: JERRY GACCETTA
UNITED STATES COAST GUARD
1100 JOHNSN FERRY ROAD
SUITE 460
ATLANTA, GA 30342-

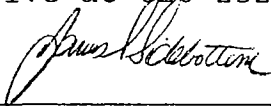
From: Clean Harbors PPM, LLC

RE: UNITED STATES COAST GUARD
Clean Harbors Document No. SO31U
Customer Manifest 51203

Enclosed is your copy of the hazardous waste manifest, which indicates that your waste material has been received and accepted by Clean Harbors.

You will receive a Certificate of Disposal when treatment and disposal of your manifested waste is complete.

We appreciate your business. If you have any questions, please contact your Facility Service Representative at 620-252-1304.



Authorized Agent

Enclosures

D7578994

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 40 CFR Part 171.203		2. Page 1 of 1		Information in the shaded areas is required by State law.			
3. Generator's Name and Mailing Address United States Coast Guard MWHA, ATTN: Jerry Gaccetta, 1100 Johnson Ferry Road, Suite 480 Atlanta, GA 30342				A. Missouri Manifest Document Number 40 CFR Part 171.203					
4. Generator's Phone (219) 824-4807				B. G.S.I. (Gen. Site Address) 1002 Iron Street Saint Louis, MO 63111					
5. Transporter 1 Company Name Smith Systems Transportation				C. MO. Trans. ID H-2068					
6. US EPA ID Number NE D 0 8 8 3 8 2 1 3				D. Transporter's Phone (800) 884-2597					
7. Transporter 2 Company Name				E. MO. Trans. ID					
8. US EPA ID Number				F. Transporter's Phone					
9. Designated Facility Name and Site Address Clean Harbors Coffeyville LLC Highway 189 North Coffeyville, KS 67337				G. State Facility's ID 9 2 0 0 0 1 9 9 9 9					
10. US EPA ID Number KS D 0 8 1 5 0 6 0 2 5				H. Facility's Phone (620) 252-1203					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))						12. Containers	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ POLYCHLORINATED BIPHENYLS, 9, UN2315, PG II						0.01 cm	14,600	K	EPA WASTE CODE NOU-E STATE MO-NI
b.									EPA WASTE CODE STATE
c.									EPA WASTE CODE STATE
d.									EPA WASTE CODE STATE
J. Additional Descriptions for Materials Listed Above						K. HANDLING CODE (FACILITY USE ONLY)			
a. ERG#171(S)						INTERIM FINAL COMMENTS			
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information 11a: CH185974B ADU# TSCA REGULATED MATERIAL D7578994 SO3161 WCH# 125719 OUT OF SERVICE 3/23/03						24-HOUR EMERGENCY # (800) 884-2597 Trans PO# 248852 TRAILER PLATE# 869 ICD (OK)			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.									
Printed/Typed Name TODD W HITEGOTIN				Signature 				Month Day Year 05/12/03	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name GARY STOKER				Signature 				Month Day Year 05/23/03	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.									
Printed/Typed Name Selbie Harms				Signature 				Month Day Year 05/23/03	

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED DATE. IT THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR.



ite 3, Box 65
ghway 169 North
feyville, KS 67337
620.251.6380
800.248.0442
Fax 620.251.2822

May 21, 2003

To: JERRY GACCETTA
UNITED STATES COAST GUARD
1100 JOHNSN FERRY ROAD
SUITE 460
ATLANTA, GA 30342-

From: Clean Harbors PPM, LLC

RE: UNITED STATES COAST GUARD
Clean Harbors Document No. SO43U
Customer Manifest 52003

Enclosed is your copy of the hazardous waste manifest, which indicates that your waste material has been received and accepted by Clean Harbors.

You will receive a Certificate of Disposal when treatment and disposal of your manifested waste is complete.

We appreciate your business. If you have any questions, please contact your Facility Service Representative at 620-252-1304.



Authorized Agent

Enclosures

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Print or type (Form designed for use on elite (12-pitch) typewriter.)

3.0'

Form Approved OMB No 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 4

Information in the shaded areas
is required by State law.

3. Generator's Name and Mailing Address

United States Coast Guard
MWA, ATTN: Jerry Gaccetta, 1100 Johnson Ferry Road, Suite 480

Adrian, GA 30342
212 824-4807

A. Missouri Manifest Document Number

40 CFR PART 761 2003

B. G.S.I. (Gen. Site Address)

1002 Iron Street
Saint Louis, MO 63114

4. Generator's Phone

5. Transporter 1 Company Name

Smith Systems Transportation

6. US EPA ID Number

NE008828213

C. MO. Trans. ID

H-2068

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

(800) 884-2597

E. MO. Trans. ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Clean Harbors Coffeyville LLC
Highway 189 North
Coffeyville, KS. 67337

10. US EPA ID Number

KS008150602

G. State Facility's ID

9200018999

H. Facility's Phone

(620) 252-1203

11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))

a. RQ POLYCHLORINATED BIPHENYLS, 9, UN2315, PG II

12. Containers

Number

Type

13. Total
Quantity

14. Unit
Wt/Vol.

I. Waste No.

5718 K
001 CM 0.5091 K

EPA WASTE CODE
N O N E

STATE
N O N E

EPA WASTE CODE

STATE

EPA WASTE CODE

STATE

EPA WASTE CODE

STATE

EPA WASTE CODE

STATE

J. Additional Descriptions for Materials Listed Above

a. ERG#171(S)

b.

c.

d.

K. HANDLING CODE (FACILITY USE ONLY)

INTERIM

FINAL

COMMENTS

a.

b.

c.

d.

D80

Landfill

15. Special Handling Instructions and Additional Information

11a: CH185974B

WO# D7592417

ADN# 50436

24 HOUR EMERGENCY # (800) 884 - 2597

TRAILER PLATE # 869-1CD (OK)

Trans PO# 254578

TSCA REGULATED MATERIAL OUT OF SERVICE DATE: 3/28/03 60# 125-730 CHEST Can# UP410804

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.

Printed/Typed Name

DAVID GELBSCHNEGER

Signature

[Signature]

Month Day Year

05 20 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gary Stoker

Signature

[Signature]

Month Day Year

05 20 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Blank]

Signature

[Blank]

Month Day Year

[Blank]

19. Discrepancy Indication Space

Unable to contact generator 5-21-03
117) Wought

I, Clean Harbors, Inc., as the appropriate permit holder, accept the waste the generator is shipping in item 19.

Printed/Typed Name

Bobbie Harms

Signature

[Signature]

Month Day Year

05 21 03



MISSOURI DNR FINAL COPY - PART 1
THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED DATE WITHIN 15 DAYS OF THE DATE OF RECEIPT.

